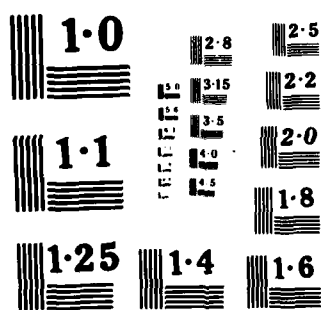


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HICKAM AFB HAWAII REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 85  
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REVISED LIMITED SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

HICKAM AFB HI  
21 20 W 157 57 ALEV 13 FT  
PARTIC A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:  
HOURLY OBSERVATIONS: JAN 74 - DEC 83  
SUMMARY OF DAY DATA: JUN 39 - JUN 42, SEP 42 - DEC 83  
TIME CONVERSION GMT TO LST: -10

12 APR 1985

"Approved for Release by NSA on 08-25-2000 pursuant to E.O. 13526"  
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FOR THE COMMANDER

*Wayne E. McCollom*

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WAYNE E. MCCOLLOM  
Chief, Document Research Section  
USAFETAC/LDX



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SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION Unclassified			1b. RESTRICTIVE MARKINGS	
2a. SECURITY CLASSIFICATION AUTHORITY			3. DISTRIBUTION / AVAILABILITY OF REPORT Approved for public release; distribution unlimited.	
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				WORK UNIT ACCESSION NO.
11. TITLE (Include Security Classification) HICKMAN AFB HAWAII (RUSSWO) (Unclassified)				
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FIELD	GROUP	SUB-GROUP		
04	02		*climatology *weather Meteorological conditions	
			(continued over)	
19. ABSTRACT (Continue on reverse if necessary and identify by block number)				
<p>→ A six-part statistical data summary of surface weather observation climatology for:  <b>HICKMAN AFB HAWAII.</b>          Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs) for complete descriptions of contents and instructions for use.</p>				
20. DISTRIBUTION / AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION Unclassified	
22a. NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield			22b. TELEPHONE (Include Area Code) (618) 256-2625	22c. OFFICE SYMBOL USAFETAC/LDD

DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted.  
All other editions are obsolete.

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18. Subject terms cont.

winds	preceipitation	temperature	visibility
barometric pressure		relative humidity	
sky cover	psychrometric data	ceiling	

Revised Uniform Summary of Surface Weather Observations  
RUSSWO

HICKMAN AFB HAWAII

HONOLULU IAP

HI 911800

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.



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U S AIR FORCE  
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APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
22521	HICKAM AFB HI (Honolulu IAP)	N 21 20	W 157 56	13	PHNL	91182

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT BARO.	
1	Hickam Field Hawaii	AAF	June 39	May 40	N 21 20	W 157 57	36	38 Ft	12
2	Same	Same	June 40	Sep 44	Same	Same	Same	Same	24
3	Same	Same	Oct 44	Sep 45	Same	Same	14	17 Ft.	24
4	Same	Same	Oct 45	June 49	Same	Same	26	28 Ft.	24
5	Honolulu IAP Hawaii	WB	Nov 49	Dec 53	N 21 20	W 157 55	9	38 Ft.	24
6	Same	Same	Jan 53	Oct 62	Same	Same	10	Same	24
7	Same	Same	Nov 62	Feb 73	Same	Same	Same	52 Ft	24
8	Same	Same	Mar 73	Dec 73	Same	Same	13	Same	24
9	Same	Same	Jan 74	Jun 84	Same	W 157 56	Same	18 Ft.	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jun 39	Located on the weather station	Anemometer	N/A	60 Ft	
2	Oct 44	Located NE corner of operations bldg	Selsyn	ML 144B	Same	
3	Oct 45	Located NE corner of ATC terminal bldg	Same	Same	34 Ft.	
4	Nov 49	Located on the control tower	Same	Friez Selsyn	93 Ft	
5	Aug 8, 57	Same	1.F420B 2.F120A	N/A N/A	Same Same	
6	Oct 62	Located on a mast on the field	1.F420C 2 F102A	N/A N/A	29 Ft 29 Ft	

SER TION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	May 66	Same	1. F420D 2. F102A	N/A N/A	21 Ft 21 Ft	
	Aug 66	Same	1&2 Same	Same	1&2 Same	
	Dec 67	Same	1&2 Same	Same	25 Ft 24 Ft	
	Dec 70	Same	1. Same 2. Same	Same	25 Ft 24 Ft	

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
ATTN: WEATHER SERVICE/MAC

## WEATHER CONDITIONS

11420 HICKAM AFB HI 74-87 02  
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-01	.1	11.7				11.7		.4			.5	37
	02-03		9.4				9.4		.1			.1	33
	04-05		10.5				10.5						35
	06-07		7.4				7.4						30
	08-09	.1	8.3				8.3						31
	10-11	.3	7.6				7.6						31
	12-13		8.9				8.9						35
	14-15	.2	10.3				10.3		.2			.1	36
TOTALS		.1	8.6				8.6		.1			.1	744

L. J. CLIMATOLOGY BRANCH  
USAFETAC  
U.S. WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION HICKAM AFB HI 74-83 YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
5-5	00-02	.4	9.5				9.5						94.5
	03-05	.2	9.5				9.5						94.5
	06-08	.2	7.9				7.9						94.5
	09-11	.2	7.6				7.6						94.5
	12-14	.5	7.9				7.9						94.5
	15-17	.1	7.4				7.4						94.5
	18-20	.1	5.7				5.7						94.5
	21-23	.1	6.3				6.3						94.5
TOTALS		.2	7.7				7.7						6763

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

STATION HICKAM AFB HI 74-83 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	10-12		10.2				10.2		.1			.1	737
	13-15		11.7				11.7						737
	16-18		10.6				10.6						737
	19-21		9.7				9.7						737
	22-24	.3	8.0				8.3		.1			.1	737
	25-27		8.4				8.4						737
	28-30		8.7				8.7		.3			.3	737
	31-23		11.1				11.1		.1			.1	737
TOTALS		.3	9.8				9.8		.1			.1	7440

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

## WEATHER CONDITIONS

11720 HICKAM AFB HI 74-83 1P  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	10-11		13.7				13.7		.1			.1	200
	12-13		9.4				9.4						200
	14-15	.2	7.4				7.6		.1			.1	200
	16-17	.2	9.1				9.1						200
	18-19	.1	6.9				6.9		.1			.1	200
	20-21		7.1				7.1						200
	22-23		10.3				10.3		.1			.1	200
	24-25	.1	13.7				13.7						200
TOTALS		.1	9.7				9.7		.1			.1	720

JOINT CLIMATE BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## WEATHER CONDITIONS

11120 HICKAM AFB HI 74-83 124  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-01	.2	6.4				6.4						6.6
	02-03	.1	6.6				6.6						6.7
	04-05		4.9				4.9						5.0
	06-11		6.6				6.6						6.7
	12-14	.3	4.6				4.6						5.0
	15-17	.1	4.7				4.7						5.0
	18-20	.2	6.6				6.6						6.8
	21-23	.1	7.2				7.2						7.3
TOTALS		.1	6.3				6.3						744

USAF CLIMATE CENTER  
USAFETAC  
AFS WEATHER SERVICE/MAC

# WEATHER CONDITIONS

11 20 HICKAM AFB HI 74-83  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	01-02		7.3				7.3						100
	03-05		6.9				6.9						100
	06-08		6.9				6.9						100
	09-11		5.6				5.6						100
	12-14	.1	3.9				3.9						100
	15-17		3.4				3.4						100
	18-20	.2	3.6				3.6						100
	21-23		6.4				6.4						100
TOTALS		.3	6.5				6.5						7000

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION 11427 HICKAM AFB HI 74-33 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01-03		5.5				5.5						90
	03-05		7.3				7.3						135
	05-08		5.1				5.1						75
	08-11		5.2				5.2						75
	11-14		2.5				2.5						37
	14-17		2.6				2.6						37
	17-20		5.1				5.1						75
	21-23		7.6				7.6						135
TOTALS			5.7				5.7						744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

## WEATHER CONDITIONS

STATION HICKAM AFB HI STATION NAME 74-87 YEARS 10 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02		6.7				6.7						74
	03-05		4.8				4.8						73
	06-08		4.3				4.3		0.1			0.1	73
	09-11		3.5				3.5						73
	12-14		2.7				2.7		0.1			0.1	73
	15-17		2.6				2.6						72
	18-20		3.3				3.3						73
	21-23		4.3				4.3						72
TOTALS			4.2				4.2		0.1			0.1	744



USAF CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1967 HICKAM AFB HI 74-83  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02		3.9				3.9						100
	03-05		3.8				3.8						100
	06-08		3.0				3.0						100
	09-11		3.1				3.1						100
	12-14	.2	2.4				2.4		.1			.1	100
	15-17	.4	2.8				2.8						100
	18-20		3.7				3.7						100
	21-23		3.7				3.7						100
TOTALS		.1	3.3				3.3		.1			.1	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

STATION HICKAM AFB HI 74-87 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	1-31	.3	7.4				7.4						307
FEB	1-28	.1	5.7				5.7						297
MAR	1-31	.3	4.5				4.5						307
APR	1-30	.2	4.3				4.3		.1			.1	307
MAY	1-31	.3	4.7				4.7		.1			.1	307
JUN	1-30		4.6				4.6		.1			.1	307
JUL	1-31	.1	5.7				5.7						307
AUG	1-31	.2	5.1				5.1						307
SEP													
OCT													
NOV													
DEC													
TOTALS		.2	5.3				5.3		.1			.1	7447

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

## WEATHER CONDITIONS

11-20 MILWA AFB WI 74-87 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	01-01	.2	1.3				1.5						100
	02-01	.3	4.2				4.5						100
	03-01	.1	7.4				7.5						100
	04-01		7.8				7.8						100
	05-01		5.9				5.9						100
	06-01		5.6				5.6						100
	07-01		7.1				7.1						100
	08-01		7.7				7.7						100
TOTALS		.1	7.4				7.4						700

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# WEATHER CONDITIONS

11420 HICKAM AFB HI 74-83 0-0  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
0-0	0-5		7.7				7.7						7.7
	6-10		7.1				7.1						7.1
	11-15		7.0				7.0						7.0
	16-20		6.5				6.5						6.5
	21-24		6.0				6.0		0.1			0.1	6.0
	25-27		5.2				5.2						5.2
	28-31		5.9				5.9						5.9
	01-23	0.1	5.4				5.4						5.4
TOTALS		0.1	6.2				6.2		0.1			0.1	743

JOINT CLIMATE CENTER  
USAFETAC  
JOINT WEATHER SERVICE (JWS)

## WEATHER CONDITIONS

STATION: WICHITA AF B YEARS: 74-83 MONTH: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER-  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.1	3.3				3.3		.1			.1	7447
FEB		.0	7.7				7.7						6763
MAR		.0	3.3				3.3		.1			.1	7447
APR		.1	5.7				5.7		.1			.1	7227
MAY		.1	1.3				1.3						7447
JUN		.0	3.3				3.3						7227
JUL			5.7				5.7						7447
AUG			4.2				4.2		.0			.0	7447
SEP		.1	3.3				3.3		.0			.0	7227
OCT		.2	5.6				5.6		.1			.1	7447
NOV		.1	7.4				7.4						7227
DEC		.0	3.2				3.2		.0			.0	7437
TOTALS		.1	6.9				6.9		.1			.1	7538

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

LOCAL CLIMATOLOGY - HANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

XX **WEATHER CONDITIONS** XX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

STATION 1120 HICKAM AFB HI 49-57 YEARS 11 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	PARTLY	1.7	59.1				59.1		1.7			1.7	1004
FEB		3.6	63.1				63.1		.0			.0	1004
MAR		2.0	65.0				65.0		.0			.0	1004
APR		2.1	70.7				70.7		.1			.1	1020
MAY		1.2	67.2				67.2						1004
JUN		.3	60.9				60.9	.1	.1			.1	1020
JUL		.3	71.7				71.7						1004
AUG		.1	67.2				67.2						1004
SEP		1.2	61.0				61.0						1004
OCT		2.0	63.0				63.0		.0			.0	1004
NOV		2.7	66.9				66.9						1004
DEC		2.3	63.9				63.9		.1			.1	1004
TOTALS		1.8	65.7				65.7	.0	.3			.0	10071

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- \* 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- \* 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.



- NOTES; (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

STATION 14520 HICKAM AFB HI STATION NAME 39-83 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	45.4	23.2	4.7	6.8	4.5	5.5	3.5	2.6	2.3	1.2	.1			31.4	1364	4.17	13.33	.01
FEB	47.4	27.4	5.8	6.6	4.0	5.9	3.8	2.1	1.6	.4	.1			32.3	1243	2.40	13.66	.04
MAR	37.4	33.9	4.8	6.7	4.1	4.2	2.6	2.0	1.6	.6		.1		28.7	1364	2.62	20.79	.01
APR	33.1	29.4	7.2	6.5	4.5	4.3	1.9	1.2	.8	.2				26.5	1320	1.40	8.92	.01
MAY	37.6	40.1	7.3	7.4	2.1	2.6	1.2	.7	.7	.2				22.3	1364	1.09	7.23	.01
JUN	35.3	45.5	6.7	6.3	1.6	1.3	.9	.2	.2					19.1	1320	.42	2.46	TRACE
JUL	37.0	45.4	6.7	9.0	2.8	1.6	1.0	.6						21.6	1361	.48	2.01	.03
AUG	34.1	43.0	6.2	8.4	2.8	2.0	.7	.4	.4					20.9	1364	.61	3.06	TRACE
SEP	40.9	35.2	6.7	7.8	2.9	2.3	1.1	.9	.2					21.9	1320	.67	3.39	.05
OCT	32.6	33.0	6.5	9.7	3.2	3.3	2.2	1.6	.9	.4	.1			26.0	1395	1.96	11.15	.08
NOV	34.1	34.7	5.4	9.4	4.2	3.5	2.4	1.6	1.8	.6	.2			29.2	1350	2.77	14.72	.03
DEC	36.6	31.8	5.3	8.6	3.7	5.8	3.2	2.6	1.9	.3	.2			31.6	1395	3.19	12.09	.06
ANNUAL	37.7	36.0	6.1	8.4	3.4	3.5	2.0	1.4	1.0	.3	.1	.0		26.3	16160	22.01		

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFAC

# EXTREME VALUES

## PRECIPITATION

FROM DAILY OBSERVATIONS

STATION HICKAM AFB HI

39-83

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
39						.18	.22	.21	2.09	4.53	2.60	.18	
40	.91	.08	1.06	.03	.49	.37	.54	.11	.14	.59	3.51	.18	5.51
41	.19	.13	.05	.11	.05	.32	.03	.02	.17	.07	.07	.07	.97
42	.13	.57	.26	.44	.01					4.05	2.33	4.33	
43	7.13	.45	1.00	.10	2.82	.08	.06	.12	.12	.05	.02	.43	3.13
44	.01	1.76	1.00	.01	.45	.05	.10	TRACE	.02	.00	.18	1.31	1.76
45	.05	.35	.07	0.15	.32	.01	.55	.22	.20	.33	.70	.63	2.15
46	2.41	.96	.13	.12	.12	.08	.29	.01	.07	.73	1.26	1.15	2.41
47	1.01	.16	.40	.13	1.35	.07	.00	.23	.83	.24	.59	.63	1.35
48	2.72	1.02	.44	1.09	.05	.12	.11	1.15	.80	.08	2.74	.20	2.74
49	5.72	3.16	.32	.05	.10	.30*	.06	.03	.11	.13	.27	1.41	5.02
50	4.59	.52	.73	2.29	.14	.03	.01	.72	.17	.05	.54	3.76	4.59
51	.50	1.17	4.11	.25	.10	.34	.08	.30	.38	2.60	.79	2.47	4.11
52	4.15	.15	.16	.14	.00	.03	.02	.04	.00	1.37	.70	.19	4.15
53	.57	1.43	.47	.10	.07	.01	.10	.72	.54	.79	.13	.49	1.43
54	.63	1.11	1.04	1.05	.13	.14	.96	.09	.38	.22	5.39	.97	5.39
55	2.27	5.52	3.53	.55	.41	.02	.14	.00	.57	.75	1.03	5.37	5.52
56	2.04	1.33	.29	.35	.35	.03	.04	.28	.13	.70	3.17	2.02	3.17
57	3.55	.96	.71	.49	.56	.77	.33	.12	.75	.77	1.78	1.43	3.55
58	.13	4.62	15.72	.18	.11	.07	.39	1.47	.26	1.25	.03	2.21	15.72
59	1.74	1.81	.79	.36	.60	TRACE	.00	2.10	.86	.42	1.00	.18	2.10
60	.13	.26	.52	.11	1.45	.09	.64	.18	.46	.49	.79	.83	1.45
61	7.01	.27	.19	.28	.79	.34	.12	.14	.40	.75	.71	.78	7.01
62	.97	1.31	1.00	.96	.13	.08	.06	.10	.22	.24	.02	1.99	1.99
63	6.40	.73	2.53	2.37	3.23	.14	.74	.02	1.35	.75	.16	.63	6.40
64	.38	.21	1.01	.17	.11	.03	.65	.21	.37	.06	.53	1.96	1.96
65	2.13	.45	.58	.54	3.44	.10	.46	.54	.32	1.78	4.32	7.40	7.40
66	.69	1.02	.30	.19	.75	.02	.39	.46	.06	1.13	3.65	.82	3.65
67	.31	1.00	2.53	.61	1.07	2.00	.58	1.18	.05	.53	1.17	3.77	3.77
68	3.21	.74	.97	2.07	1.06	.17	.11	.07	.69	1.06	1.54	2.20	3.21
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

FROM DAILY OBSERVATIONS

11027 HICKAM AFB HI

39-24

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/HAC

# EXTREME VALUES MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

11-22 HICKAM AFB HI 39-83  
STATION NAME YEARS

## TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
39						.64	.46	.71	7.79	8.04	4.49	.71	
40	3.74	.26	2.41	.83	1.59	.56	.71	.39	.39	1.51	5.98	.71	15.70
41	.53	.45	.19	.24	.13	.62	.75	1.17	.22	2.92	.29	.22	6.65
42	.25	2.17	.68	.61	.71					5.04	3.44	2.08	
43	11.57	1.33	1.73	.16	3.61	.22	.11	.36	.21	.17	.26	.96	20.40
44	.71	3.57	5.61	.81	.56	.16	.28	TRACE	.78	.13	.44	2.60	13.40
45	.18	.94	.18	4.57	.64	.01	1.15	.39	.36	.78	1.48	1.64	11.00
46	7.22	2.10	.50	.26	.29	.11	.43	.02	.12	.96	1.61	4.74	15.29
47	1.13	.38	1.22	.42	2.19	.22	.16	.70	2.36	.44	.94	1.47	11.55
48	5.27	3.22	.74	1.90	.13	.71	.19	1.27	1.71	.25	4.28	.50	20.07
49	12.15	6.38	.55	.11	.13	.50	.13	.06	.15	.35	.69	2.02	23.50
50	17.24	1.04	.63	5.74	.32	.77	.03	1.00	.49	.67	1.92	5.50	31.05
51	1.71	2.98	20.79	.49	.23	.36	.24	1.14	.91	5.93	.23	5.72	39.73
52	4.45	.46	.56	.35	.15	.13	.77	.09	.27	2.50	1.21	.79	16.65
53	1.25	2.87	1.54	.24	.14	.02	.25	.03	.71	.67	.42	1.90	9.97
54	1.49	3.98	2.54	1.98	.16	.20	1.73	.19	.54	1.74	9.39	4.08	27.30
55	7.74	13.68	4.36	.85	.76	.08	.23	.59	.22	.77	1.89	10.09	37.56
56	3.58	3.30	.93	.51	1.01	.14	.12	.53	.14	1.91	7.74	2.32	21.23
57	13.33	1.66	.71	1.56	1.12	.12	.35	.37	.07	.11	2.62	2.64	24.25
58	.50	5.15	18.51	.40	.24	.21	.98	3.07	.48	2.98	.26	2.64	35.00
59	3.76	2.23	.16	.54	.69	TRACE	.26	3.78	.88	.64	1.49	.79	14.14
60	.43	.51	1.48	.01	3.95	.18	.73	.40	.91	1.15	.22	2.24	12.07
61	4.17	.93	.43	.71	.23	.87	.28	.47	.46	2.40	2.35	1.74	14.26
62	2.20	2.62	2.13	1.07	.32	.11	.13	.32	.66	.70	.73	3.31	13.58
63	10.58	1.11	8.39	8.92	3.36	.33	1.01	.03	1.47	1.08	.20	1.43	37.91
64	2.18	.52	5.21	.88	.71	.78	1.34	.46	.97	.34	2.36	5.57	20.12
65	7.72	.50	.99	1.45	7.23	.25	1.37	.87	.52	3.56	14.72	7.97	42.78
66	1.39	3.71	.39	.46	.41	.04	.43	.82	.10	2.95	9.44	2.99	23.18
67	.79	2.53	6.78	1.29	2.12	2.43	1.71	2.53	.42	1.53	2.78	9.93	34.34
68	8.17	2.91	2.49	3.14	1.22	.24	.29	.10	1.30	2.13	5.64	9.63	37.26
MEAN													
S D													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

## EXTREME VALUES

FROM DAILY OBSERVATIONS

71-62	-ICKAW AFB -2
STATION	STATION NAME

22-51

YEARS

## TOTAL MONTHLY PRECIPITATION IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

UNITED STATES CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

14-20 STATION HICKAM AFB HI 46-63 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														1178	.0	.0	.0
FEB	100.0														1073	.0	.0	.0
MAR	100.0														1170	.0	.0	.0
APR	100.0														1140	.0	.0	.0
MAY	100.0														1178	.0	.0	.0
JUN	100.0														1140	.0	.0	.0
JUL	100.0														1177	.0	.0	.0
AUG	100.0														1178	.0	.0	.0
SEP	100.0														1140	.0	.0	.0
OCT	100.0														1178	.0	.0	.0
NOV	100.0														1140	.0	.0	.0
DEC	100.0														1178	.0	.0	.0
ANNUAL	100.0														13878	.0		

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
U.S. WEATHER SERVICE/MAO

# EXTREME VALUES

INCHES

FROM DAILY OBSERVATIONS

STATION HICKAM AFB HI  
STATION NAME

45-53 YEARS

## 24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46														
47														
48														
49														
50														
51														
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## 24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

DATE: 11/28/87 STATION: HICKAM AFB HI STATION NAME: HICKAM AFB HI

46-83 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN													
S D													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

**EXTREME VALUES**  
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION	STATION NAME	YEARS
011220	HICKAM AFB HI	46-53

## TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	...	...	...	...	...	...	...	...	...	...	...	...	...
77	...	...	...	...	...	...	...	...	...	...	...	...	...
78	...	...	...	...	...	...	...	...	...	...	...	...	...
79	...	...	...	...	...	...	...	...	...	...	...	...	...
80	...	...	...	...	...	...	...	...	...	...	...	...	...
81	...	...	...	...	...	...	...	...	...	...	...	...	...
82	...	...	...	...	...	...	...	...	...	...	...	...	...
83	...	...	...	...	...	...	...	...	...	...	...	...	...
84	...	...	...	...	...	...	...	...	...	...	...	...	...
85	...	...	...	...	...	...	...	...	...	...	...	...	...
86	...	...	...	...	...	...	...	...	...	...	...	...	...
87	...	...	...	...	...	...	...	...	...	...	...	...	...
88	...	...	...	...	...	...	...	...	...	...	...	...	...
89	...	...	...	...	...	...	...	...	...	...	...	...	...
90	...	...	...	...	...	...	...	...	...	...	...	...	...
91	...	...	...	...	...	...	...	...	...	...	...	...	...
92	...	...	...	...	...	...	...	...	...	...	...	...	...
93	...	...	...	...	...	...	...	...	...	...	...	...	...
94	...	...	...	...	...	...	...	...	...	...	...	...	...
95	...	...	...	...	...	...	...	...	...	...	...	...	...
96	...	...	...	...	...	...	...	...	...	...	...	...	...
97	...	...	...	...	...	...	...	...	...	...	...	...	...
98	...	...	...	...	...	...	...	...	...	...	...	...	...
99	...	...	...	...	...	...	...	...	...	...	...	...	...
MEAN	.555	.555	.555	.555	.555	.555	.555	.555	.555	.555	.555	.555	.555
S D	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS	1178	1673	1178	1140	1178	1140	1177	1178	1140	1178	1140	1178	1378

NOTE \* BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-88-5 (OLA)



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10

## EXTREME VALUES

SECRET

FROM DAILY OBSERVATIONS

STATION

39-53

YEARS

DAILY AVERAGE DEPTH 1. INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 66

## EXTREME VALUES

FROM DAILY OBSERVATIONS

1120  
STATION

WICKHAM AF-11

30-63

**YEARS**

## DAILY SNOW DEPTH IN INCHES

[illegible]

NOTE \* BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUN 66

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

6 (BASED ON LESS THAN FULL MONTHS AND +1.2 KNDS)



LOCAL CLIMATOLOGY BRANCH  
 PACAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1927 HICKAM AFB HI 74-63 JAN  
 STATION NAME YEARS MONTH  
 ALL WEATHER  
 CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.1	1.2									5.8	4.2
NNE	.5	1.2	1.3	.1	.1							2.8	6.5
NE	.5	1.9	1.9	1.2	.4							5.7	8.0
ENE	1.0	3.7	7.6	4.8	2.0							13.1	9.8
E	.2	1.5	1.5	1.3								4.0	8.0
ESE		.2	.3	.4								1.0	9.7
SE				.2	.1							.3	10.3
SSE		.2	.3	.6		.1						1.3	11.0
S		1.0	2.6	1.9	.2							3.7	10.3
SSW	.1	.6	1.1	.2	.1							2.4	10.5
SW	.3	.5	.6	1.0		.1						2.9	9.4
WSW	.1	.4	1.0	1.0	.6	.1						3.2	11.0
W	.4	1.1	.9	1.3	.4							4.1	9.1
WNW	1.0	3.5	.4	.1								3.1	4.9
NW	1.7	9.7	.5									11.7	4.5
NNW	1.9	7.6	1.3	.5								11.2	5.3
VARBL													
CALM												11.7	
	9.2	37.2	22.6	14.7	4.1	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 63

U.S. AIR FORCE  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI STATION NAME 74-23 YEARS JA MONTH 3300-3500  
 CLASS ALL WEATHER HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.9	.7	.3								6.1	4.4
NNE	.5	1.5	.4	.1								2.6	5.4
NE	.1	2.2	1.6	1.3	.3							5.7	6.5
ENE	.5	3.8	5.7	6.0	.8							16.8	9.6
E		1.2	1.9	1.0	.2							4.3	9.3
ESE		.2	.3	.2								.8	9.9
SE			.1	.3								.4	10.5
SSE		.1	.2	.3								.6	10.8
S		.4	1.7	1.2	.3							3.7	10.4
SSW		1.1	1.4	.9								3.3	9.7
SW	.1	.7	1.7	.9	.1							2.4	9.9
WSW		.7	1.1	1.3	.4							3.1	11.3
W	.5	1.5	1.1	1.1	.2							4.4	8.1
WNW	1.7	5.3	.9									7.7	4.7
NW	3.0	10.4	.5									14.0	4.4
NNW	1.9	7.5	1.5	.3								11.3	4.7
VARBL													
CALM												12.8	
	12.1	39.7	19.0	15.2	2.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 924

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11980 STATION HICKAM AFB HI 74-83 YEARS JAN MONTH  
ALL WEATHER CLASS 2400-2600 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.9	.9	.1								4.9	5.0
NNE	.5	1.3	1.7	.4								3.2	6.5
NE	1.5	2.4	1.7	1.4	.1							8.1	7.2
ENE	.5	2.5	5.9	3.9	.8							13.7	9.6
E	.3	1.0	3.5	2.8	.4							7.3	10.1
ESE			.5	.5								.8	10.1
SE	.1		.4	.1	.1							.8	9.3
SSE	.2	.1	.5	.2		.1						1.2	9.4
S	.1	1.0	1.1	1.8	.2							4.2	9.7
SSW		.5	1.8	.6								3.7	8.8
SW		.1	1.1	1.4	.1							2.7	10.4
WSW		.1	.9	1.5	.1							3.6	11.1
W	.4	1.0	.4	1.0	.1							2.9	8.3
WNW	1.5	4.3	.1									5.9	4.6
NW	3.1	11.5	1.2									15.8	4.5
NNW	1.2	8.3	.5	.2								11.0	4.9
VARBL													
CALM												13.9	
	12.6	37.0	20.3	16.0	1.9	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 97

LIBERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 101920 HICKAM AFB HI STATION NAME 74-53 YEARS JAN  
MONTH 1950-1950  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	.5	.5								4.2	6.5
NNE	.1	1.3	1.1	.2								2.2	7.4
NE	.3	.6	1.2	2.4	.4							5.7	10.6
ENE	.6	2.3	5.3	7.0	2.9	.2	.1					10.2	11.6
E	.3	2.5	3.0	3.9	1.2							11.3	10.1
ESE	.3	1.1	1.3	.6	.1							2.4	7.9
SE	.2	1.5	.9	.6	.1							3.2	7.4
SSE	.4	2.0	1.2	1.0								4.2	6.4
S	.4	2.9	3.3	2.6	.4	.1						10.2	9.2
SSW	.2	1.1	2.3	1.0	.1							4.0	8.4
SW	.1	1.5	1.7	2.2								5.5	9.4
WSW		.4	1.4	1.6	.1							3.5	10.0
W	.4	1.2	.2	1.2	.1							3.0	8.5
WNW	.5	1.2	.3	.2	.1							2.5	6.1
NW	1.3	1.5	1.1	.2	.1							4.5	5.2
NNW	.5	2.3	1.0	.4								4.2	6.6
VARBL													
CALM												7.0	
	7.4	25.7	27.2	26.2	5.7	.3	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 52

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11720 HICKAM AFB HI STATION NAME 74-23 YEARS JAN NORTH  
ALL WEATHER CLASS 1000-1400 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.1	.4	.1							2.2	9.1
NNE		.1	.6	1.1	.2							2.0	12.1
NE		.2	2.4	4.3	1.0							7.8	12.7
ENE		.2	2.5	4.7	4.5	.3						10.2	14.4
E	.2	.5	1.4	3.9	1.6	.1						7.7	13.2
ESE		.3	1.3	.6								2.3	9.5
SE	.5	.3	2.7	3.1	.3							6.7	10.7
SSE	.1	.4	3.3	2.3	.1							6.6	9.7
S	.1	3.0	7.5	3.4	.8							14.6	9.3
SSW		1.2	5.4	2.2	.1							6.8	9.4
SW		.8	4.7	2.4	.5							6.4	9.9
WSW		.6	3.3	4.1	.3	.1						6.3	10.8
W	.1	.3	.9	.9	.3							2.5	10.6
WNW	.1	.1	.2	.2	.1							.6	10.3
NW		.2	.2	1.0	.2	.1						2.4	11.9
NNW		.1	.1	.6	.5	.1						1.5	14.4
VARBL													
CALM												.9	
	1.0	9.2	39.3	39.1	10.8	.8						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 93

U.S. NAVAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11920 HICKAM AFB HI STATION NAME 74-83 YEARS JA  
ALL WEATHER CLASS 100-175  
 HOURS (LST) 100-175  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.3	1.1								2.2	7.8
NNE		.1	1.7	1.5	.1							2.4	11.5
NE	.1	.3	2.2	6.7	1.0	.1						10.2	14.5
ENE	.1	.3	1.7	10.4	4.4	.4						17.4	14.5
E		.3	1.2	1.8	1.3	.1						4.7	13.2
ESE		.3	.4	.5								1.5	9.6
SE		.5	1.4	1.9	.3							4.6	10.3
SSE		.4	3.1	2.2	.1	.3						6.1	11.2
S	.2	1.8	6.0	2.9	.4							11.4	9.1
SSW	.2	2.0	3.8	2.7	.1	.1						5.3	8.6
SW	.2	2.6	5.9	3.2	.2							12.2	9.2
WSW	.1	.5	4.9	3.2	.4							9.2	10.2
W		.9	1.2	1.5	.1							3.7	10.2
WNW		.1	.2	.1								.4	5.5
NW		.5	.3	.9	.4							2.2	11.5
NNW	.2	.3	.4	.9	.5	.1						2.5	11.7
VARBL													
CALM												.6	
	1.2	11.6	34.8	41.0	9.5	1.2						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 97

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION HICKAM AFB HI YEARS 74-83 MONTH JA  
STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH 1-12-2000  
CONDITION ALL WEATHER HOURS (LST) 0000-2400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.7	2.2	.8								2.7	7.3
NNE	.2	1.0	2.7	1.0	.1							4.5	5.6
NE	.1	2.3	4.7	3.1	.5							12.3	9.6
ENE	.2	3.2	5.4	6.0	2.3	.2						21.3	11.3
E		1.4	5.3	2.5	.5							10.7	10.4
ESE		.4	.7	.3	.1							1.1	3.4
SE	.1	.6	1.2	.3								2.3	7.7
SSE		1.7	.3	.8	.2	.1						3.3	7.2
S	.2	2.2	2.4	1.9	.3	.2						7.2	9.3
SSW	.2	2.6	1.6	1.3	.1							5.6	7.3
SW	.4	2.7	2.4	1.4	.3							7.2	6.2
WSW	.2	1.7	1.6	1.7								6.6	6.7
W	.5	2.4	2.6	.9	.2							6.6	7.5
WNW	.1	1.0	.2									1.6	6.2
NW	.1	1.5	1.7	.2								3.6	6.2
NNW		1.8	1.7	.8	.1							3.7	7.7
VARBL													
CALM													
	2.7	28.9	31.8	25.4	4.8	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 920

U.S. AIR FORCE  
 CLIMATE BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WICKHAM AFB HI STATION NAME WICKHAM AFB HI YEARS 74-82 MONTH JAN  
 CLASS ALL WEATHER HOURS (LST) 01-2300  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.8	.9	.2								2.6	5.0
NNE	.7	1.4	.6	.2	.1							2.7	6.6
NE	1.7	3.7	2.9	2.3	.1							2.9	7.2
ENE	1.7	6.7	6.1	7.2	1.4	.2						26.6	9.4
E	.4	2.4	2.9	1.4								7.1	7.9
ESE		.2	.2									.4	6.5
SE	.1		.4	.2								.1	9.4
SSE	.1	.3	.7	.8	.3	.1						1.7	12.1
S		.5	7.7	1.5	.3							3.4	16.3
SSW	.2	1.4	1.7	.6	.2	.1						4.3	8.7
SW	.4	.3	1.6	.8	.1							3.2	8.6
WSW	.1	.5	1.1	1.2	.5							3.4	11.3
W	.7	1.4	.5	1.2	.1							3.5	8.0
WNW	.3	1.6	.1									.8	4.4
NW	1.7	5.4	.4									7.0	4.7
NNW	.5	5.4	1.2	.3								7.6	5.5
VARBL													
CALM												5.2	
	9.4	37.0	24.1	17.6	3.2	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 27



LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION HICKAM AFB HI STATION NAME 74-63 YEARS JAN MONTH ALL  
CLASS ALL HOURS (LST) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.8	1.0	.4	.0							1.1	6.2
NNE	.3	1.0	1.0	.7	.1							3.0	6.1
NE	.4	1.7	2.2	2.8	.5	.0						7.7	9.3
ENE	.5	2.8	5.0	7.1	2.4	.0	.0					14.1	11.2
E	.2	1.3	3.2	2.3	.7	.0						6.7	10.4
ESE	.1	.3	.6	.4	.0							1.4	8.4
SE	.1	.4	.0	.0	.1							2.4	9.0
SSE	.1	.7	1.2	1.0	.1	.1						3.2	9.7
S	.2	1.6	3.5	2.2	.4	.0						7.4	9.4
SSW	.1	1.3	2.4	1.1	.1	.0						3.0	8.6
SW	.2	1.1	2.4	1.6	.2	.0						3.5	9.2
WSW	.1	.6	1.9	1.9	.3	.0						4.7	10.3
W	.2	1.2	1.0	1.1	.2							3.0	8.0
WNW	.7	2.1	.4	.1	.0							3.3	5.1
NW	1.5	5.1	.7	.3	.1	.0						7.6	5.2
NNW	.0	4.2	.0	.5	.1	.0						5.8	6.0
VARBL													
CALM												7.6	
	6.3	28.3	27.4	24.4	5.3	.5	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 744

U.S. AIR FORCE  
 USAFETAC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11120 STATION HICKAM AFB HI 74-23 YEARS FEB MONTH 1974  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.7	1.4	.1								1.2	5.1
NNE	.1	1.4	1.2									1.1	5.0
NE	.6	3.6	3.9	1.4	.1							1.5	6.0
ENE	1.1	5.3	9.0	7.2	1.3	.1						23.0	9.0
E	.4	2.1	2.6	1.4	.7	.1						7.3	9.4
ESE		.4			.1							.2	7.0
SE		.1		.4	.2	.1						.3	15.7
SSE	.1		.1	.6	.1							.2	11.0
S	.1	.5	.7	.9	.2	.1						2.7	10.9
SSW		.6	.1	.5	.1							1.5	9.0
SW		.2	1.3	.1								1.7	6.0
WSW		.4	.4	.2								.7	7.0
W	.4	.9	.7	.5	.1							2.6	7.9
WNW	.2	3.1	.7									4.1	4.0
NW	2.2	9.6	.6									12.4	4.0
NNW	1.4	3.7	1.2	.4								11.7	5.1
VARBL													
CALM												10.2	
	9.3	33.8	23.4	13.7	3.1	.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 240

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1980 HICKAM AFB HI 74-83  
STATION MONTH  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.4	.6	.1								3.2	4.1
NNE	.4	1.5	.7	.7								2.1	5.1
NE	.4	2.8	7.8	1.7	.6							5.1	3.7
ENE	.6	5.4	7.1	6.7	.9							2.7	9.1
E	.1	1.7	1.8	1.4	.2							.8	8.3
ESE		.6	.7		.2							1.1	8.4
SE		.7	.4		.4							.7	11.1
SSE		.1	.1	.4								.1	11.8
S		.7	.4	.8	.2							.4	11.5
SSW		.7	.4	.4	.1							1.1	11.1
SW		.4	.7	.5	.1							1.7	9.7
WSW		.7	1.7	.5								2.4	8.7
W	.7	.6	.4	.7								.7	8.1
WNW	1.1	3.5	.1	.1								4.8	4.8
NW	1.7	10.9	.9									18.8	4.8
NNW	1.7	17.8	1.5	.2								18.8	5.1
VARBL													
CALM												11.1	
	8.5	42.9	20.3	14.1	2.7							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 745

NAVAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI STATION NAME 74-60 YEARS 1952-1960  
 CLASS ALL WEATHER MONTH ALL MONTHS  
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	.6	.1								2.2	4.2
NNE	.1	1.2	.3	.1								2.2	6.2
NE	.5	2.5	3.7	.9	.1							7.3	7.3
ENE	.1	4.5	9.7	7.7	.7							22.1	9.7
E	.4	3.3	7.6	1.9	.4	.1						7.6	9.2
ESE		.2	.1									.4	5.7
SE		.1	.1	.6	.2							1.2	12.4
SSE			.6	.7	.2							1.4	12.2
S		.1	.6	.4								1.7	8.2
SSW		.1	.3	.2								.2	9.4
SW	.1	.1	.6	.7	.4							2.2	10.2
WSW	.1	.5	.4	.5								1.4	7.8
W	.6	1.2	.3	.7								.4	7.6
WNW	1.1	4.7	.5	.1	.1							7.2	4.2
NW	3.1	9.2	.6									13.1	4.4
NNW	1.7	7.9	1.2	.2								11.2	5.1
VARBL													
CALM												1.4	
	17.1	57.9	23.5	14.9	2.1	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 42

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI YEARS 74-83 MONTH FEB  
STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH FEB-1983  
CONDITION ALL WEATHER HOURS (LST) 0000-1400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	1.2	.2								4.1	7.4
NNE		.5	.7	.2								1.4	7.8
NE	.2	1.2	2.5	2.7	.7							5.1	10.7
ENE	.2	.9	4.4	10.4	4.4	.2						14.2	12.7
E	.1	1.4	3.2	5.4	1.9	.2						10.7	11.7
ESE	.1	1.4	.2	.5	.1							3.1	7.7
SE	.4	1.2	.2	.7	.4							3.4	8.2
SSE	.1	1.5	2.7	1.3	.4							5.1	8.9
S	.7	2.1	4.2	.5								5.5	7.0
SSW	.2	1.4	1.4	.2								3.3	8.7
SW	.2	1.4	2.5	.7	.4							5.5	8.4
WSW	.1	.2	1.5	.7								3.3	8.3
W	.2	1.3	1.7	1.2	.2							5.2	8.4
WNW	.7	1.5	.5		.1							3.1	5.5
NW	.6	2.7	1.3	.5	.1							5.4	8.2
NNW	.5	1.4	1.7	.5								4.0	7.0
VARBL													
CALM													
	5.4	22.6	37.7	26.4	9.5	.5						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 242

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11 27 HICKAM AFB HI 74-83 FEB  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER  
CONDITION 1000-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.1	1.1								2.4	12.1
NNE		.5	1.2	.6	.1							2.4	9.6
NE			1.5	5.2	2.7							11.5	14.4
ENE	.1	.4	2.5	11.9	5.3	.6	.1					20.1	14.3
E		.4	2.7	4.4	2.1	.6						9.5	13.8
ESE	.1	.1	.6	1.3	.2							2.4	11.5
SE		.1	1.4	3.7	.1							4.6	11.7
SSE		.5	3.3	3.2	.2							7.5	10.7
S	.1	.7	8.7	2.5	.2							11.4	9.3
SSW		.4	4.3	1.3								6.4	8.8
SW		.9	4.5	7.1	.4							8.9	10.2
WSW		.2	2.5	2.6	.4							5.7	11.3
W		.4	.9	1.9	.1							3.3	11.1
WNW		.7		.1		.1						.5	11.0
NW		.5	.4	.7	.5							2.1	11.7
NNW			.5	1.5	.1							2.1	13.4
VARBL													
CALM													
	.4	6.1	34.3	44.6	12.5	1.5	.1					100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 846

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11727 HICKAM AFB HI 74-45 FEB  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	1.2	1.3	.2							3.0	11.4
NNE	.1	.2	.6	1.8	.1							2.0	10.7
NE		.4	1.0	5.6	2.5	.2						10.4	14.3
ENE	.1	.5	2.4	13.7	6.3	.8	.1					23.9	14.7
E		.6	1.5	3.0	1.8	.1						7.0	10.1
ESE	.1	.4	.7	.9	.1							.1	10.7
SE		.2	1.7	2.4	.5							4.7	11.2
SSE		.4	2.7	1.8	.4							5.2	10.6
S		1.0	5.6	1.7	.4							9.1	8.7
SSW		1.1	3.4	.6								5.1	8.3
SW		2.2	4.6	2.7	.2							9.8	9.1
WSW		.7	3.7	2.7	.2							7.3	10.1
W	.1	.6	1.8	1.9	.5							4.0	10.0
WNW			.2	.5	.1							.0	12.6
NW		.1	.7	1.1	.1							2.0	11.0
NNW		.1		1.2	.4							1.7	14.1
VARBL													
CALM													
	.5	9.1	32.5	42.6	13.7	1.2	.1					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 640

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11020 HICKAM AFB HI 74-83 FEB  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER  
CONDITION 1960-1969  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	3.3	.8	.1							6.3	7.9
NNE	.1	.7	1.8	.6								3.2	6.0
NE		.9	3.2	5.6	.7							10.4	11.3
ENE	.1	2.6	9.1	14.5	2.6	.9						25.9	11.9
E		.7	4.0	2.4	.5							7.6	10.2
ESE		.9	.1	.7								1.3	6.7
SE		1.4	.9	.5								2.7	7.3
SSE	.1	.7	.6	.7								3.1	8.4
S	1.1	2.7	1.5	.9	.1							5.7	7.2
SSW	.6	1.7	1.4									3.7	5.9
SW	.1	1.4	2.0	.2	.1							3.9	7.6
WSW	.4	2.6	2.0	.5	.1							5.7	7.3
W	.4	2.4	3.4	1.4								7.0	8.1
WNW		.7	.7	.1	.1							1.4	8.5
NW		.6	1.2	.5								2.2	8.1
NNW		1.5	.2	.8	.1							3.3	8.9
VARBL													
CALM												2.0	
	2.3	22.7	35.1	30.4	4.5	.9						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 640



FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11927 HICKAM AFB HI 74-83  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
FEB  
MARCH  
1192-2300  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	5.6	.9	.4								7.6	5.2
NNE	.7	1.9	1.4	.6	.1							4.7	6.2
NE	.3	5.2	3.7	1.3	.2	.1	.1					11.6	8.5
ENE	.5	5.3	9.6	15.5	7.5	.1						29.3	10.3
E		1.4	2.4	1.9	.1							5.1	5.3
ESE		.4	.1	.1	.1							.7	4.8
SE		.1	.1	.2	.2							.7	12.6
SSE	.1	.2	.2	.5	.1							1.2	13.6
S	.4	.6	1.3	.5	.1							2.7	8.3
SSW	.7	.6	.2	.2								1.3	5.5
SW	.2	.7	1.2	.1								2.2	6.7
WSW	.4	.5	.5	.1		.1						1.5	7.1
W	.8	1.7	1.3	.7								4.5	6.6
WNW	.6	3.1	.7									3.5	4.6
NW	.6	5.7	.6	.1								7.2	5.1
NNW	.2	5.3	1.4	.1								7.7	5.4
VARBL													
CALM													
	7.6	39.0	25.1	17.9	3.5	.4	.1					111.6	7.4

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11-20 HICKAM AFB HI STATION NAME 74-83 YEARS FEB MONTH  
ALL WEATHER CLASS ALL HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.5	1.3	.6	.0							2.2	5.4
NNE	.0	1.0	1.1	.5	.0							1.7	7.0
NE	.3	1.9	2.9	3.2	1.0	.0	.0					2.4	10.4
ENE	.4	3.1	6.6	11.2	3.0	.4	.0					22.1	11.0
E	.2	1.3	2.6	2.7	.9	.1						7.9	11.0
ESE	.0	.5	.4	.4	.1							1.0	9.3
SE	.0	.5	.7	1.0	.3	.0						2.4	10.7
SSE	.1	.4	1.7	1.2	.2							1.0	10.3
S	.0	1.1	2.7	1.0	.2	.0						1.2	6.7
SSW	.1	.6	1.4	.4	.0							2.9	8.0
SW	.1	.6	2.3	1.0	.2							4.5	9.0
WSW	.1	.9	1.5	1.0	.1	.0						3.0	9.0
W	.4	1.0	1.4	1.1	.1							3.0	8.5
WNW	.4	2.0	.3	.1	.1	.0						3.1	5.3
NW	1.1	5.0	.8	.4	.1							7.0	5.4
NNW	.5	4.4	1.1	.6	.1							7.0	6.1
VARBL													
CALM												5.9	
	5.2	27.5	28.3	25.5	6.3	.6	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 5765

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11020 HICKAM AFB HI 74-83  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.3	1.4	.1								5.5	5.2
NNE		.3	.9	.2								1.8	7.6
NE	.4	2.6	5.4	3.9	.5							13.3	9.2
ENE	.4	6.3	13.5	15.6	3.1	.2						39.2	13.7
E	.1	2.2	4.6	3.9	1.2							11.7	10.3
ESE	.1		.1									.2	5.5
SE		.1	.1									.2	6.5
SSE				.3								.3	12.3
S	.1	.3	.4	.4	.1							1.4	9.6
SSW			.1	.2								.7	10.3
SW		.1	.8	.3								1.2	10.3
WSW	.1	.1		.1								.3	6.3
W	.2	.9	.5	.2								1.4	6.6
WNW	.7	1.3	.3	.1								2.6	5.1
NW	1.5	6.3	.3									8.1	4.6
NNW	.9	2.9	.5									4.3	5.0
VARBL													
CALM												0.5	
	6.1	28.0	20.7	25.4	4.7	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11827 HICKAM AFB HI 74-73  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 54	≥ 56	%	MEAN WIND SPEED
N	.0	3.2	.5	.3								4.7	2.4
NNE	.4	.5	.5	.3								1.1	6.5
NE	.1	3.5	3.4	5.7	.5	.2						11.4	9.0
ENE	.7	5.1	14.1	14.6	2.6	.3						37.0	10.6
E	.0	1.2	4.6	4.1	.2							10.5	9.0
ESE		.1	.7		.1							.5	4.6
SE		.1	.4	.1								.6	6.0
SSE			.1	.2								.2	11.5
S			.4	.3								.2	11.1
SSW		.1	.2	.1								.4	9.0
SW			.5	.4								1.0	10.4
WSW	.2	.2	.1									.5	4.6
W	.0	.6	.1	.5								1.5	8.0
WNW	.9	3.5	.1	.1								4.6	4.7
NW	1.2	6.5	1.1									.7	4.2
NNW	1.9	5.8	.9	.4								1.0	5.1
VARBL													
CALM												.7	
	6.6	31.7	27.7	24.3	3.4	.5						10.0	6.0

TOTAL NUMBER OF OBSERVATIONS 97

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01020 HICKAM AFB HI 74-75 YEARS  
STATION NAME CLASS CONDITION  
NORTH  
100-0000  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	7.1	.5	.3								4.0	5.7
NNE	.3	1.4	1.1									3.7	6.0
NE	.4	3.4	4.4	2.6	.5							11.4	9.7
ENE	.5	4.5	11.9	14.4	7.4	.2						34.0	15.8
E	.5	1.6	5.5	5.4	1.4							14.4	10.7
ESE			.4		.1							.5	11.0
SE		.2	.1									.3	6.7
SSE		.1	.5									.3	7.3
S		.3	.5	.4								1.3	9.8
SSW			.6	.3								1.0	7.8
SW			.4	.5								1.0	10.8
WSW				.1								.1	13.0
W	.5	.8	.3									1.7	4.8
WNW	1.2	2.6		.1								3.9	4.3
NW	.3	7.2	.1									8.1	4.5
NNW	1.4	4.5	1.1	.3								7.3	5.2
VARBL													
CALM												7.0	
	6.2	30.1	27.2	24.5	4.4	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 970

U.S. AIR FORCE  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11-22 HICKAM AFB HI 74-83 74  
 STATION NAME YEARS MONTH  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 1000-1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	1.1	.8								2.7	8.3
NNE	.1	.2	1.3	1.2	.1							2.9	10.2
NE	.7	.6	2.2	4.2	1.4	.1						6.5	11.8
ENE	.1	.4	5.6	18.4	8.1	1.1						24.5	14.1
E	.2	1.3	5.7	15.0	4.0	.3						21.5	12.7
ESE	.3	1.0	1.2	.6	.1							3.2	8.2
SE	.2	.6	.9	.6								2.4	8.5
SSE	.2	.4	2.2	.5								3.3	8.3
S	.7	1.2	2.5	.4								4.4	7.4
SSW	.2	.6	1.8	.9								3.5	8.6
SW	.1	.5	1.7	.5								2.2	8.6
WSW		.5	1.4	.2								2.2	8.1
W	.4	.4	.4	.4								1.7	6.9
WNW	.3	1.1	.3									1.7	4.9
NW	.1	.5	.3									1.5	6.1
NNW	.3	1.6	.4	.2								2.5	5.9
VARBL													
CALM												1.0	
	3.2	12.4	29.4	39.0	13.7	1.5						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 920

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11220 HICKAM AFB HI 74-53  
STATION NAME YEARS  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.9	.5	.2							4.2	5.9
NNE			1.1	2.6	.2							3.9	12.5
NE		.1	1.9	5.3	2.8	1.0						10.0	14.8
ENE		.3	2.8	13.1	13.4	2.4						32.0	16.1
E		.1	2.7	10.6	3.3	.2						18.5	14.0
ESE		.2	.8	1.0								1.8	11.1
SE		.1	.6	2.0	.4							3.2	12.4
SSE			1.6	4.2	.1							5.9	11.9
S	.7	.6	3.7	1.3	.1							6.0	9.1
SSW		.1	3.4	1.8								3.4	9.8
SW		.3	2.0	1.9								4.2	10.2
WSW	.1		.6	1.7								2.8	11.8
W	.1	.3	.3	.3	.1							1.2	9.0
WNW		.1	.1									.2	6.0
NW		.3	.5	.5	.1							1.0	10.3
NNW		.1	.3	.3	.3							1.1	12.4
VARBL													
CALM												.1	
	.6	3.0	22.7	48.8	21.2	3.5						100.0	13.5

TOTAL NUMBER OF OBSERVATIONS 971

LOCAL CLIMATOLOGY BRANCH  
 PACFLTAF  
 AIR WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1920 STATION HICKAM AFB HI 74-83 YEARS 4 MONTH 10-1700 HOURS (LST)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.5	.6	.2							1.2	11.1
NNE			.9	1.9	.3							1.1	12.0
NE		.1	1.9	17.2	3.7	.3						10.1	14.2
ENE	.1	.3	2.5	15.4	14.7	2.0						20.1	15.3
E	.1	.2	1.7	6.1	2.0	.3						10.1	13.3
ESE		.2	.5	.4								1.2	7.5
SE		.3	.9	1.1								1.1	10.0
SSE		.6	1.7	2.3								4.6	10.1
S		.9	4.5	.9								1.1	9.6
SSW		.1	2.5	.6								1.2	9.6
SW		.3	2.3	1.8	.1							4.7	9.9
WSW	.1	.1	1.6	1.7								3.7	10.6
W		.7	.4	.9	.1							1.7	10.7
WNW			.5	.2	.1							.7	11.1
NW		.2	.4	.6	.2							1.0	10.5
NNW		.1	.2	.1								.4	9.5
VARBL													
CALM													
	.3	4.3	23.0	46.0	21.5	2.7						100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 270



U.S. AIR FORCE  
 AIR FORCE CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI YEARS 74-83 MONTH ALL  
 STATION NAME ALL WEATHER CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.4	.9	.1							4.3	6.0
NNE		.5	1.6	1.1	.3							2.4	9.0
NE	.3	1.5	6.2	7.2	1.5							13.0	11.0
ENE	.1	1.5	9.0	24.1	6.8	1.2						47.0	13.1
E	.7	1.3	3.4	5.6	1.6	.2						11.0	11.0
ESE	.2	.2	.4									.5	6.0
SE		.1	.3	.1								.5	7.0
SSE	.1	.5	.4	.4								1.5	8.7
S	.3	1.7	1.4	.2								3.6	6.0
SSW		.8	.6	.5								1.6	7.9
SW		1.1	1.1	.5								2.7	7.0
WSW		1.5	1.7	.2								2.3	7.3
W	.5	1.1	.0	.4								2.0	7.0
WNW	.1	.2	.4									.5	6.0
NW		.5	.6	.1	.1							1.4	8.1
NNW		.6	.6	.3								1.5	8.7
VARBL													
CALM												1.1	
	1.2	13.0	32.6	41.7	9.9	1.4						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 570

U.S. NAVAL CLIMATOLOGY BRANCH  
NAVFETAC  
U.S. WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11721 HICKAM AFB HI STATION NAME YEARS 74-75 MONTH 12  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.8	2.7	.1								1.2	6.4
NNE	.7	1.6	2.3	.4								2.0	7.0
NE		2.2	4.2	1.9	.5	.1						1.7	7.0
ENE	.5	4.4	12.6	21.2	7.8	.5						43.0	11.0
E	.7	2.7	4.7	4.0	1.3							13.0	6.9
ESE		.1	.3	.4								.8	5.0
SE	.1	.1	.1	.2								.3	5.0
SSE	.1		.1	.1								.3	5.0
S	.1	.5	.6	.1								1.4	6.0
SSW	.2	.4	.2	.2								1.1	7.0
SW	.1	.5	.2	.4								1.3	6.0
WSW	.4	.3	.5									1.3	6.0
W	.5	1.3	.1	.5								2.0	6.0
WNW	.2	.6	.1	.2	.1							1.3	7.0
NW	.4	2.0	.8	.1								3.3	6.0
NNW	.2	3.7	.1	.1								4.0	6.0
VARBL													
CALM													
	4.0	23.2	37.7	32.0	5.7	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 72

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
U.S. WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11-27 11-27-74 HICKAM AFB HI 74-83 447  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.8	1.3	.5	.1							4.1	6.5
NNE	.1	.6	1.2	1.0	.1							3.0	5.4
NE	.3	1.5	3.8	5.2	1.4	.2						12.7	11.2
ENE	.3	2.9	9.7	17.5	6.9	1.0						37.3	12.5
E	.2	1.4	4.7	6.2	1.9	.1						13.7	11.3
ESE	.1	.2	.4	.3	.0							1.1	6.9
SE	.7	.2	.4	.5	.1							1.3	5.9
SSE	.1	.2	.0	1.0	.0							2.1	10.2
S	.1	.6	1.8	.5	.0							3.1	8.4
SSW	.1	.3	1.2	.6								2.1	9.2
SW	.7	.4	1.7	.8	.0							2.3	9.5
WSW	.1	.3	.7	.5								1.6	9.0
W	.7	.7	.4	.4	.0							1.9	7.3
WNW	.4	1.2	.2	.1	.0							2.0	5.3
NW	.6	3.7	.5	.2	.1							4.3	5.4
NNW	.5	2.5	.5	.2	.0							4.0	5.7
VARBL													
CALM												5.3	
	3.7	13.3	27.4	35.5	13.6	1.3						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 744

NAVAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11200 HICKAM AFB HI STATION NAME 74-83 YEARS 1974  
 CLASS ALL WEATHER MONTH SEP  
 CONDITION 100-1000  
 HOURS (L E T) 1000-2000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	.6	.4								5.7	5.7
NNE	.1	1.4	1.0	.3								7.0	7.0
NE	.2	3.7	0.7	4.4	.9							17.4	9.3
ENE	.1	6.2	16.8	19.4	7.2							44.8	10.5
E	.1	1.9	4.7	3.7	.3							17.7	9.8
ESE			.1	.7								.8	11.6
SE		.2	.1	.2								.3	6.3
SSE			.1	.2								.3	12.3
S	.1	.3	.7	.7								1.8	7.4
SSW	.1	.1		.1								.3	6.3
SW			.1									.1	9.1
WSW		.1										.1	4.3
W		.6										.6	4.9
WNW	.3	.8	.1									1.2	4.5
NW	1.7	4.4	.4									6.2	4.7
NNW	.5	3.7	.5									4.9	4.9
VARBL													
CALM												3.0	
	3.6	25.2	34.7	29.1	3.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1120 HICKAM AFB HI STATION NAME 74-83 YEARS 1970-1979  
MONTH 12  
CLASS ALL WEATHER  
CONDITION   
HOURS (LST) 0000-0500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	4.3	1.1									5.2	5.2
NNE	.2	1.4	1.6	.7								4.0	7.4
NE	.4	5.4	7.1	4.3	.1							15.0	6.4
ENE	.4	5.4	16.7	15.7	1.8							45.7	10.1
E	.1	1.6	3.9	1.6		.1						7.2	8.0
ESE													
SE	.1			.2								.3	10.7
SSE				.1								.1	14.0
S	.1	.1	.6	.1								.5	8.0
SSW		.1										.1	6.0
SW		.2										.2	5.0
WSW			.1									.1	6.0
W	.7	.9		.1								1.2	5.0
WNW	.4	1.4										1.9	4.1
NW	.5	5.2	.1									6.1	4.7
NNW	.7	6.1	.7									7.4	4.9
VARBL													
CALM												1.2	
	4.0	33.2	31.4	22.2	1.9	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-20 STATION HICKAM AFB HI 74-23 YEARS 48 MONTHS  
STATION STATION NAME YEARS MONTHS  
ALL WEATHER CLASS 11-20-2000  
CONDITION HOURS (L & Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.6	.9	.1	.1							5.7	5.3
NNE	.2	1.6	1.7	.7								4.1	7.0
NE	.2	2.3	3.4	5.0	.6							17.1	9.2
ENE	.7	4.3	11.7	17.0	7.1							35.4	10.9
E	.1	3.4	4.1	2.9	.7							11.2	9.1
ESE		.1	.4	.1								.7	8.3
SE	.1	.1		.1								.3	6.7
SSE		.1		.2								.3	9.7
S		.3	.4	.3								1.1	3.4
SSW	.1	.1	.2									.4	6.0
SW													
WSW	.1											.1	3.0
W	.1	.3	.1									.6	5.2
WNW	.6	1.7										2.2	4.5
NW	.8	7.0	.3									6.1	4.7
NNW	1.1	4.5	.7									5.6	4.7
VARBL													
CALM												5.6	
	5.6	29.0	29.0	26.4	3.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 90

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11927 STATION HICKAM AFB HI 74-23 YEARS MONTH APR 1968-1969  
STATION NAME CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.9	.1	.1							1.7	7.7
NNE	.1	.3	1.2	1.4	.1							3.2	10.3
NE		.9	3.0	8.1	2.7	.3						15.9	13.1
ENE		.9	6.2	22.3	7.4	1.0						37.9	13.9
E	.1	2.1	5.1	8.6	2.9							18.8	11.9
ESE		.6	1.3	.6								3.2	6.3
SE	.1	.7	1.3	.4								2.8	7.8
SSE	.1	1.1	1.0	.8								3.0	6.4
S		1.3	2.0	.7								4.9	8.0
SSW		.6	1.0	.3								1.9	6.0
SW	.1	.4	.9	.1								1.4	7.5
WSW	.3	.2	.7									1.2	6.1
W	.1	.4	.1									.7	5.5
WNW		.3	.3									.7	6.8
NW		.4	.3	.2								1.0	7.6
NNW	.2	.6	.4	.1								1.3	6.4
VARBL												.7	
CALM													
	1.3	11.7	28.0	43.8	13.2	1.3						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 970

CLIMATE BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11020 HICKAM AFB HI 74-83 25  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

1-14-74  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.7	.6								2.2	5.4
NNE			.7	2.4	.1							3.2	12.6
NE		.2	2.1	11.1	3.9	.2						17.0	14.0
ENE	.1	.7	2.6	22.6	12.2	2.3						4.0	15.0
E	.1	.1	2.6	8.1	3.2	.3						14.4	14.1
ESE		.1	.4	.6								1.1	11.0
SE		.1	.9	1.2								2.2	10.0
SSE		.4	1.6	2.9								4.9	10.9
S		.3	4.7	1.2								5.6	9.5
SSW		.1	1.6	.3								2.0	9.1
SW		.2	2.3	1.2								3.8	9.7
WSW		.7	.9	1.0								2.1	10.4
W		.1	.1	.1								.3	9.3
WNW	.1											.1	3.0
NW		.1										.1	4.0
NNW		.1		.1								.2	10.0
VARBL													
CALM												.3	
	.4	2.8	20.7	53.4	19.4	2.9						100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 920



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WIND WEATHER SERVICE/AMC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11027 HICKAM AFB HI STATION NAME 74-83 YEARS 48P  
CLASS ALL WEATHER MONTH 100-170  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.0	.8								1.6	1.0
NNE	.1	.3	.9	2.2	.7							4.2	12.2
NE		.1	2.7	13.7	5.9	.7						23.5	14.0
ENE		.7	1.7	24.2	13.7	1.0						41.2	13.5
E		.2	1.4	7.4	5.6	.2						11.9	14.1
ESE		.0	.7									.4	6.3
SE		.1	.6	.4								1.1	9.2
SSE		.2	1.4	.7								2.3	8.9
S		.7	2.4									3.1	7.9
SSW		.3	2.3	.4								3.0	8.0
SW		.3	1.7	.8								3.8	9.3
WSW	.1	.2	1.1	1.1								2.6	10.0
W		.1	.5	.3								1.0	9.3
WNW		.1	.7	.1								.5	6.5
NW		.3	.1		.1							.8	7.5
NNW		.1	.6		.1							.8	9.0
VARBL													
CALM												.1	
	.3	4.0	13.4	52.2	23.0	1.9						100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 900

ROYAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI YEARS 74-75 MONTH APR  
CLASS ALL WEATHER  
HOURS (L.S.T.) 1800-2400  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	1.4	.4								2.4	6.4
NNE	.1	.3	1.4	1.0	.1							2.8	9.7
NE	.3	1.4	6.7	9.3	1.4	.1						19.3	11.3
ENE	.1	1.7	12.2	26.7	7.9	.6						50.7	12.9
E		1.4	3.3	4.1	1.9	.1						11.3	11.6
ESE		.3	.7	.1								.7	7.7
SE	.1	.7	.1									.7	5.6
SSE		.6	.2	.2								1.0	7.4
S	.1	1.2	1.1	.1								2.7	6.6
SSW		.3	.4									1.2	5.7
SW		.3	.4									.5	6.7
WSW		.7	.1	.1								.5	6.3
W	.1	.2	.6	.2								1.1	9.4
WNW		.2	.2									.4	7.3
NW			.2	.1								.2	11.3
NNW		.2	.9	.2								1.3	6.3
VARBL													
CALM												.0	
	.9	11.4	30.3	44.2	11.3	.8						100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAG

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11020 HICKAM AFB HI 74-53 48  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
100-200  
HOURS (L & T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	2.1	.2								4.2	6.7
NNE	.2	1.3	2.1	.7								4.0	6.2
NE	.1	2.2	8.7	7.7	.6							19.2	10.1
ENE	.1	5.3	13.2	21.9	2.8	.2						44.1	11.2
E		1.9	8.2	3.1	.4							13.7	9.3
ESE		.3	.1									.4	3.5
SE		.1	.3									.4	7.3
SSE	.2		.4	.2								.6	6.1
S	.1	.6	.3	.2								1.2	7.5
SSW	.1	.1										.2	3.5
SW	.1	.2										.3	4.3
WSW		.2	.2									.6	6.8
W		.2										.3	4.2
WNW	.3	.6										.9	4.0
NW	.2	1.3	.6									2.6	5.3
NNW	.7	2.7	.2									3.6	4.9
VARBL													
CALM												2.4	
	2.7	19.3	37.1	34.2	3.8	.2						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 770

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-27 HICKAM AFB HI 74-93 APR 1974  
STATION MONTH  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	1.2	.3	.0							2.7	6.6
NNE	.2	.8	1.5	1.2	.1							3.7	9.2
NE	.2	2.0	6.0	4.0	2.0	.2						11.4	11.4
ENE	.0	3.2	17.2	21.4	6.3	.6						41.8	12.6
E	.1	1.6	4.2	4.9	1.5	.1						12.4	11.3
ESE		.2	.4	.2								.7	0.4
SE	.1	.2	.4	.3								1.0	0.5
SSE	.0	.3	.6	.7								1.6	0.5
S	.1	.6	1.5	.4								2.6	0.3
SSW	.0	.3	.7	.2								1.2	7.8
SW	.0	.2	.6	.3								1.1	8.3
WSW	.1	.2	.4	.3								1.0	6.0
W	.1	.4	.2	.1								.8	6.5
WNW	.2	.6	.2	.0								1.0	5.1
NW	.4	2.4	.3	.0	.0							3.1	5.0
NNW	.4	2.2	.5	.1	.0							3.2	5.3
VARBL													
CALM												2.8	
	2.4	17.2	28.7	38.3	9.9	.9						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 7,000

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11220 STATION NAME HICKAM AFB HI YEARS 74-83 MONTH ANY

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

HOURS (LST) 0000-2359

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	4.1	.1									4.8	4.9
NNE	.3	1.6	1.7	.3								3.2	6.4
NE	.5	4.7	8.8	4.5	.4							19.1	6.6
ENE	.4	7.6	22.6	13.7	.5							44.7	9.3
E	.3	2.9	6.7	2.7	.4							13.0	6.9
ESE		.1	.3									.4	7.3
SE	.1											.1	3.0
SSE		.1										.1	5.0
S			.1	.3								.4	12.0
SSW													
SW													
WSW													
W	.1	.4										.5	4.8
WNW	.3	1.7	.2									1.5	4.5
NW	1.7	3.2	.2	.1								4.5	4.9
NNW	.3	3.9	.1									4.3	4.0
VARBL													
CALM												1.2	
	4.0	29.7	40.1	21.6	1.4							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH  
AFOTAC  
41 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-27 HICKAM AFB HI 74-83  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAY  
MONTH  
11-27-83  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.0	.5	.1								4.8	5.1
NNE	.2	1.0	1.1	.3								2.6	7.2
NE	1.2	5.4	17.3	2.7	.2							17.6	7.7
ENE	.9	8.0	18.4	11.3	.9							39.4	9.1
E	.3	3.0	4.8	2.2								10.3	8.4
ESE		.7	.7									.7	5.0
SE		.1										.1	5.0
SSE	.1											.1	3.0
S		.2	.3	.3								.8	9.0
SSW		.1										.1	6.0
SW		.1										.1	4.0
WSW	.1	.1	.2									.4	5.0
W	.1	.6		.1								.8	5.6
WNW	.2	1.6										2.8	4.5
NW	.9	4.6										5.5	4.5
NNW	1.0	5.2	.5									7.3	4.3
VARBL													
CALM												4.5	
	7.1	33.3	36.6	17.0	1.1							100.1	7.3

TOTAL NUMBER OF OBSERVATIONS 77

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14-20 HICKAM AFB HI 74-83 YEARS 1974-1975  
STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH ALL MONTHS  
CONDITION ALL MONTHS HOURS (LST) ALL HOURS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.3	.5									2.5	5.1
NNE		1.1	1.5	.3								2.9	7.3
NE	.5	4.9	7.8	4.9	.2							15.3	8.5
ENE	.5	6.5	17.4	12.7	1.4							31.6	9.3
E	.3	2.9	7.9	2.9	.1							13.2	6.3
ESE	.1	.5	.4	.2								1.3	7.3
SE	.1			.1								.3	7.3
SSE	.2	.2		.1								.5	6.2
S	.1	.2	.5	.2								1.1	7.7
SSW	.1	.1	.3									.3	7.4
SW			.1									.1	7.4
WSW	.3	.1										.4	6.3
W	.2	.3										.4	4.5
WNW		1.6	.3									1.9	5.5
NW	.5	4.9	.5									6.8	4.5
NNW	1.1	3.7	.4									5.2	4.5
VARBL													
CALM													
	5.1	29.2	39.1	20.6	1.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 270

U.S. AIR FORCE  
 METEOROLOGICAL BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI STATION NAME 74-50 YEARS 1974-1975 DAY 10-11  
 MONTH 10-11  
 HOURS (L.S.T.) 10-11  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.3	.2								1.4	7.4
NNE			.4	1.3	.2							1.6	12.4
NE	.1	.6	4.4	11.4	1.1							17.5	12.4
ENE	.1	.5	6.0	23.7	4.7							25.1	13.4
E	.1	1.2	6.2	15.9	1.1							22.2	14.3
ESE		1.3	1.7	1.3								2.3	6.3
SE		1.2	1.7	.9								2.2	6.4
SSE	.1	.6	2.7	.6								3.4	2.3
S	.3	.9	2.2	.6								4.0	6.0
SSW	.1	.3	1.7	.3								2.4	6.4
SW		.6	.5	.1								1.3	6.3
WSW	.2	.5	.1									.3	4.7
W		.1										.1	5.4
WNW		.1	.1									.2	5.4
NW	.1	.2	.7									.4	5.4
NNW		.3	.7									.4	7.4
VARBL													
CALM													
	1.2	2.1	32.6	51.3	7.1							100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 57



JOINT CLIMATOLOGY BRANCH  
AFSTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11120 HICKAM AFB HI 74-83 44 NORTH  
STATION STATION NAME YEARS  
ALL WEATHER CLASS 1982-1983  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.5	.5								2.2	11.0
NNE			.7	1.6	.1							1.5	12.3
NE		.2	2.5	14.3	4.0							11.0	14.1
ENE			3.0	26.6	7.2	.4						75.2	14.7
E		.4	1.8	6.6	2.6	.1						10.0	13.0
ESE		.2	.4	.5								1.2	10.4
SE		.4	1.0	2.5	.1							3.9	11.3
SSE		.2	2.5	2.8								5.5	10.9
S		.5	4.0	2.2	.1							8.8	9.8
SSW		.1	1.5	.6								2.3	9.0
SW			.5	.2								.8	9.9
WSW		.2	.6	.4								1.2	9.4
W		.1	.3									.4	8.0
WNW			.1									.1	8.0
NW		.3										.1	5.0
NNW		.1	.1									.2	5.0
VARBL													
CALM												.1	
		2.9	19.5	60.9	16.1	.5						100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 97

JOINT CLIMATE LOGIC BRANCH  
AFSTAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11820 STATION NAME HICKAM AFB HI YEARS 74-83 DAY 15 MONTH 17 YEAR 1980

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.5	.4								1.2	4.7
NNE			.5	2.4	.5							3.4	13.2
NE			1.2	14.7	4.1	.1						20.1	14.5
ENE		.2	3.3	25.5	11.5	.3						43.6	14.5
E		.5	2.7	7.7	1.5							11.5	12.6
ESE	.1	.1	.9	.5								1.5	4.4
SE		.1	1.1	1.7	.1							3.0	11.5
SSE	.1	.2	1.2	1.1								2.6	12.4
S	.1	.5	3.7	.6								4.5	8.4
SSW	.1	.3	1.1	.2								1.7	8.2
SW		.3	1.9									2.3	7.7
WSW		.1	.9	.1								1.0	8.8
W			.6	.2								.4	9.0
WNW		.3	.1									.4	6.3
NW			.1									.1	7.0
NNW	.2		.4	.2								.6	7.0
VARBL													
CALM												.2	
	.9	2.9	20.2	56.5	17.2	.4						100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
U.S. WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11120 HICKAM AFB HI STATION NAME 74-83 YEARS 44  
CLASS ALL WEATHER MONTH 1-12-2000  
CONDITION NOON (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	1.1	.2								2.1	7.1
NNE	.1		1.0	1.1								2.2	11.5
NE	.1	1.1	6.2	11.7	.9							20.0	11.6
ENE	.1	1.3	12.2	34.2	2.6	.2						51.2	12.4
E	.1	1.5	4.5	6.3	.4							10.4	12.5
ESE	.1	.2	.5	.2								1.1	7.6
SE	.1	.3	.5	.1								1.2	7.3
SSE	.1	.4	.6									1.2	6.5
S		1.3	.9	.3								2.5	7.0
SSW	.1	.5	.3									1.0	5.7
SW	.2	.3	.3									.9	5.6
WSW	.1	.3	.4									1.2	7.1
W	.2	.5	.3									1.1	5.5
WNW		.2	.1									.3	7.0
NW		.1	.4									.5	7.8
NNW		.6	.3									1.0	6.0
VARBL													
CALM												.4	
	1.6	9.9	29.6	54.2	4.1	.2						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11420 HICKAM AFB HI 74-53 74-53 74-53  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.4	.6									3.3	5.1
NNE	.1	1.0	1.4	.1								2.6	7.1
NE	.3	3.1	8.2	5.8	.1							17.5	9.4
ENE	.2	5.9	23.2	21.9	1.9							53.3	16.4
E	.2	3.0	6.5	4.2	.2							14.1	8.9
ESE		.8	.4									1.2	5.9
SE		.2										.2	5.3
SSE		.4		.1								.6	7.3
S	.1		.2	.1	.1							.5	10.7
SSW			.2	.1								.3	10.5
SW	.1	.2										.3	4.3
WSW													
W	.3	.4		.1								1.1	4.2
WNW	.2	.8										1.0	4.2
NW	.3	.8	.1									1.2	4.3
NNW	.6	.2	.2									1.0	4.7
VARBL													
CALM												1.1	
	3.2	19.7	41.2	32.5	2.4							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 920

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
5TH WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-22 HICKAM AFB HI 74-83  
STATION NAME YEARS  
DAY MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.6	.5	.2								2.7	5.9
NNE	.1	.6	.9	.9	.1							2.6	9.4
NE	.4	2.5	6.7	8.8	1.4	.0						19.3	10.9
ENE	.3	3.8	13.4	21.6	4.1	.1						43.3	11.6
E	.2	1.9	5.1	5.6	.7	.0						13.6	10.4
ESE	.4	.4	.6	.3								1.4	8.1
SE	.0	.3	.5	.7	.0							1.6	9.8
SSE	.1	.3	.9	.6								1.8	9.3
S	.1	.5	1.6	.6	.0							2.7	6.7
SSW	.1	.2	.6	.2								1.0	6.4
SW	.0	.2	.4	.0								.7	7.3
WSW	.1	.2	.3	.1								.6	7.3
W	.1	.3	.5	.1								.7	6.0
WNW	.2	.7	.1									1.0	4.7
NW	.3	1.8	.2	.0								2.4	4.6
NNW	.5	1.8	.3	.0								2.6	4.8
VARBL													
CALM												2.0	
	2.9	17.1	31.9	39.6	6.4	.1						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11427 STATION HICKAM AFB HI 74-63 YEARS MONTH NORTH 1963-1974 HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.1									.4	4.4
NNE	.1	.6	1.1	.1								1.9	6.9
NE	.1	3.7	10.7	6.2	.1							20.8	9.3
ENE	.2	5.2	24.4	19.2	1.2							50.2	10.0
E		1.9	7.7	4.9	.4							14.5	9.6
ESE		.4	.1									.6	5.0
SE													
SSE		.1										.1	5.1
S		.2										.2	6.0
SSW													
SW													
WSW													
W	.1											.1	3.0
WNW	.2	.7										.5	3.9
NW	.4	2.9	.3									3.7	5.1
NNW	.3	2.2										2.6	4.3
VARBL													
CALM												1.0	
	2.2	19.6	44.4	30.4	1.8							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 970

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

01920 STATION HICKAM AFB HI STATION NAME 74-83 YEARS MONTH JULY  
ALL WEATHER CLASS 1960-1969 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.2										3.7	4.4
NNE	.1	1.7	1.2	.1								2.1	6.4
NE	.4	4.1	9.0	3.4								17.9	8.2
ENE	.4	6.2	25.4	14.4	.4							47.5	9.4
E	.2	2.8	8.0	2.7								13.7	8.5
ESE													
SE			.1									.1	7.0
SSE													
S		.3										.3	5.3
SSW		.1										.1	4.0
SW													
WSW		.1										.1	4.0
W	.2	.7										.9	4.0
WNW	.4	1.3										1.7	3.9
NW	.9	3.6	.1									4.6	4.3
NNW	.9	3.2	.1									4.2	4.3
VARBL													
CALM												3.0	
	4.1	26.3	44.9	20.7	.4							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11427 HICKAM AFB HI 74-83 MONTH JUL  
STATION NAME YEARS  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0000-2359  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	.2									2.9	4.5
NNE		1.1	.8	.4								2.3	7.9
NE	.5	3.1	2.6	4.6								15.1	8.9
ENE	.6	5.8	22.4	18.6	1.4							43.8	10.1
E	.6	3.3	6.7	4.1	.4							15.1	8.6
ESE		.7	.2									.9	6.4
SE		.3										.3	5.3
SSE	.1	.1										.2	4.0
S	.1	.3	.1									.5	5.0
SSW	.1											.1	3.0
SW	.1											.1	3.0
WSW	.1											.1	3.0
W	.3	.2										.5	3.4
WNW	.5	1.3	.1									2.0	4.1
NW	.3	3.7	.2									4.2	4.3
NNW	.6	2.3	.1									3.0	4.6
VARBL													
CALM												2.0	
	4.7	24.3	39.4	27.7	1.9							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 924



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11820 HICKAM AFB HI 74-83 304  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1182-1180  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	5.2
NNE	.1		1.7	1.4								2.6	12.7
NE		.3	3.8	8.9	.9							13.9	12.2
ENE		.7	7.0	53.4	6.8	.1						48.9	13.4
E	.1	1.3	5.9	12.8	1.6							21.7	11.9
ESE		.6	1.3	.1								.2	6.1
SE		.6	.3	.3								1.2	6.2
SSE		.9	1.4	.7								3.0	6.5
S		.2	2.4	.1								2.6	6.0
SSW		.4	.6									1.0	7.1
SW		.2	.2									.4	6.3
WSW	.1	.1										.2	4.8
W		.3										.3	5.7
WNW			.2									.2	9.5
NW		.1	.1									.2	6.5
NNW	.1	.1	.2									.4	6.2
VARBL													
CALM												.4	
	.4	6.6	25.4	57.8	9.2	.1						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 90

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11822 HICKAM AFB HI STATION NAME 74-83 YEARS 1977-1980 MONTH 1977-1980  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.4									.4	9.5
NNE			.2	1.1	.1							1.4	13.1
NE			1.9	14.4	3.7							2.0	14.1
ENE		.2	3.1	30.8	16.3	1.1						31.5	15.1
E		.3	1.8	9.7	3.7							13.4	14.1
ESE	.1		.3	.6								1.0	13.1
SE			.3	.8	.1							1.2	12.5
SSE		.1	1.2	.8	.1							.2	10.7
S		.6	2.3	.6								3.0	8.6
SSW			1.6									1.5	6.0
SW			.4	.1								.5	9.2
WSW			.2									.2	6.5
W		.1	.1									.2	7.5
WNW													
NW													
NNW		.1										.1	5.2
VARBL													
CALM												.1	
	.1	1.4	14.4	58.8	24.0	1.1						100.0	14.1

TOTAL NUMBER OF OBSERVATIONS 520

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

01P20 HICKAM AFB HI 74-83

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

JUN 1982-1983

MONTH

HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.4									.4	5.3
NNE		.1	.7	2.2	.1							3.1	12.3
NE			2.5	16.7	5.7	.2						25.1	14.4
ENE	.1	.2	1.2	30.4	14.3	.6						48.7	15.4
E		.3	1.8	9.4	8.6	.1						19.2	14.1
ESE		.1	.2	.3								.7	11.3
SE		.3	.2	.2								.3	8.6
SSE			.3	.2								1.2	9.8
S		.3	2.1	.1								2.6	8.1
SSW		.2	1.2									1.8	7.8
SW		.1	.5									.7	7.3
WSW		.3	.4									.7	7.3
W		.3	.2									.6	6.8
WNW		.1	.2									.3	7.3
NW		.3	.1	.1								.4	7.8
NNW		.2										.2	5.0
VARBL													
CALM													
	.1	3.7	12.6	59.8	23.7	.9						10.0	14.1

TOTAL NUMBER OF OBSERVATIONS 670

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

115200 HICKAM AFB HI 74-83  
STATION MONTH  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.4	.2								1.3	2.0
NNE	.1	.3	1.2	.9								2.5	9.7
NE		.4	6.5	13.6	1.7							22.2	14.1
ENE		.4	9.6	37.2	5.1							52.7	13.1
E		.5	7.4	17.7	1.2							26.4	12.2
ESE		.2	.4									.7	7.4
SE		.1	.6									.7	7.7
SSE		.2	.3									.7	6.3
S	.7	.6	.3									1.1	5.6
SSW	.3	.4	.2									1.0	5.7
SW	.1	.2	.1									.4	5.5
WSW	.1		.1									.2	6.0
W		.1										.1	4.0
WNW	.1		.1									.2	5.0
NW		.2	.1									.3	5.3
NNW	.1											.1	5.0
VARBL													
CALM												.4	
	1.1	5.2	23.6	61.9	8.0							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 900

1. PAL CLIMATOLOGY BRANCH  
USAFETAC  
2. WEATHER SERVICE/AAO

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

01120 STATION HICKAM AFB HI 74-83 MONTH JULY  
STATION NAME YEARS  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	.3									1.5	5.6
NNE		.9	1.3									1.2	8.3
NE	.1	2.1	9.7	7.4	.6	.1						2.6	12.3
ENE	.3	5.6	24.7	25.2	1.6							56.8	18.1
E	.1	2.2	7.6	4.8	.2							14.2	9.5
ESE		.1	.4	.3								.7	13.1
SE		.2	.1									.3	8.1
SSE			.1									.2	9.3
S	.3	.3										.6	3.3
SSW	.3											.2	3.0
SW													
WSW													
W		.1										.1	5.0
WNW													
NW		.5										.3	4.0
NNW	.1	.5										.6	4.0
VARBL													
CALM												1.1	
	1.1	13.8	43.7	37.9	2.8	.1						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFM 7-10.1  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11527 STATION HICKAM AFB HI 74-83 YEARS MONTH 11 HOURS (LST) 11  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.3
NNE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.1
NE	.2	1.7	5.7	9.4	1.6	.0	.0	.0	.0	.0	.0	1.8	11.3
ENE	.0	3.1	14.7	26.2	5.9	.0	.0	.0	.0	.0	.0	11.3	12.1
E	.1	1.6	5.3	7.3	1.4	.0	.0	.0	.0	.0	.0	15.2	11.2
ESE	.0	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	8.4
SE	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.9
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
S	.1	.4	1.0	.1	.0	.0	.0	.0	.0	.0	.0	1.8	7.5
SSW	.1	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2
SW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
WSW	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3
W	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
WNW	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
NW	.0	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.7
NNW	.0	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.4
VARBL													
CALM												1.1	
	1.7	12.5	31.0	44.3	9.0	.3						1.8	11.2

TOTAL NUMBER OF OBSERVATIONS 742

AD-A159 730 HICKAM AFB HAWAII REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 85  
UNCLASSIFIED USAFETAC/DS-85/014 F/G 4/2

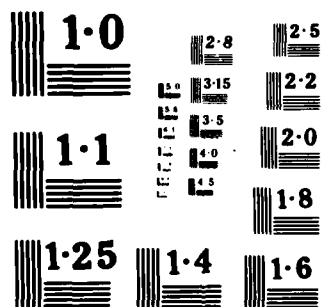
HICKAM AFB HAWAII REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 85  
USAFETAC/DS-85/014 F/G 4/2

215

UNCLASSIFIED

F/G 4/2

NL





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11820 HICKAM AFB HI 74-83 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2										.2	4.1
NNE	.1	.5	1.1									1.7	7.8
NE	.1	4.5	9.7	5.1	.1							13.5	8.8
ENE		5.2	29.7	23.7	1.6	.1						38.9	11.3
E		2.3	9.7	4.4	.6							16.1	9.7
ESE		.3	.7									.5	7.0
SE				.1								.1	15.0
SSE													
S													
SSW													
SW													
WSW													
W		.1										.1	6.0
WNW		.2										.2	4.0
NW	.3	.9										1.2	4.5
NNW	.4	.5										1.0	4.2
VARBL													
CALM												1.4	
	1.1	15.8	46.7	32.6	2.4	.1						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1927 STATION HICKAM AFB HI 74-83 YEARS MONTH JUL  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.4	1.7	.2									2.4
NNE	.3	1.2	.2	.2								6.5
NE	.7	5.8	10.7	3.3	.2							8.9
ENE		7.2	29.8	19.8	1.0	.1						9.6
E	.1	1.7	6.2	7.4								10.4
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W		.2										4.4
WNW	.3	.9										4.2
NW	.2	1.5										4.6
NNW	.2	1.7										4.3
VARBL												
CALM												1.1
	2.2	21.0	47.4	25.7	1.2	.1						6.7

TOTAL NUMBER OF OBSERVATIONS 53

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1920 STATION HICKAM AFB HI 74-83 YEARS JUL MONTH  
ALL WEATHER CLASS 140-0000 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.2	.1								1.0	5.3
NNE	.5	1.2	.0	.4								2.0	6.0
NE	.5	4.0	9.4	5.7	.1							19.8	8.9
ENE	.5	5.7	24.5	21.8	1.1							53.7	10.3
E	.4	2.6	7.3	4.2	.3							14.7	9.4
ESE		.1	.5									.6	7.8
SE		.1										.1	5.0
SSE													
S		.1										.1	4.0
SSW													
SW													
WSW													
W	.0	.1										.3	3.3
WNW	.1	.5										.6	4.1
NW	.4	1.3	.1									1.8	4.5
NNW	.2	1.4	.2									1.8	4.0
VARBL													
CALM												2.0	
	3.0	18.2	43.0	32.3	1.5							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11220 STATION HICKAM AFB HI 74-83 YEARS MONTH JUL  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2										.3	4.3
NNE		.1	.4	.5								1.1	16.0
NE		.2	4.3	13.4	2.2							20.1	13.0
ENE	.1	1.4	6.1	36.2	9.1	.2						62.2	13.6
E		.4	5.3	11.7	2.4	.1						19.9	12.0
ESE	.2	.3	1.7	.4								1.9	8.2
SE	.1	.4		.4								1.0	8.6
SSE			.5									.9	8.0
S		.2	.5	.1								1.1	8.0
SSW		.1	.7									.3	6.7
SW			.2									.2	6.0
WSW		.1										.1	5.0
W													
WNW													
NW													
NNW	.1		.1									.2	5.0
VARBL													
CALM												.1	
	.6	3.5	19.9	62.9	12.6	.3						100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 572

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1120 HICKAM AFB HI 74-83 JUL  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.1								.1	11.0
NNE			.2	1.2	.1							1.5	14.1
NE		.1	2.5	16.6	6.1	.1						25.4	14.4
ENE		.1	2.4	34.7	13.9	1.1						52.2	15.1
E			1.4	9.6	4.1	.3						15.4	14.7
ESE		.1	.1	.5								.8	11.3
SE		.1	.3	.5								1.0	10.8
SSE	.1		.4	1.4								1.9	11.8
S			.4	.5								1.0	9.9
SSW		.1	.2									.6	8.0
SW				.1								.1	12.0
WSW			.1									.1	7.0
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	.1	.5	9.4	65.3	24.2	1.5						100.0	14.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11820 HICKAM AFB HI STATION NAME 74-83 YEARS JUL MONTH  
CLASS ALL WEATHER HOURS (L.S.T.) 1800-1700  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.2	.1								.4	5.5
NNE		.1	.5	2.0								2.7	12.4
NE			2.3	17.1	5.8	.1						26.3	14.4
ENE			2.9	32.4	18.0	.6						53.9	15.4
E			1.3	7.4	5.1	.1						13.9	15.2
ESE			.1	.4								.5	13.2
SE		.1	.4	.6								1.4	11.5
SSE				.1								.1	14.0
S			.3	.1								.4	9.3
SSW			.2	.1								.3	8.7
SW			.2	.1								.3	9.3
WSW			.2									.2	8.5
W		.1	.2									.3	7.3
WNW			.1									.1	8.8
NW		.1										.1	4.0
NNW			.1									.1	9.0
VARBL													
CALM												.4	
		.5	9.1	60.5	23.8	.9						100.0	14.8

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11920 HICKAM AFB HI 74-83 JUL NORTH  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CORDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.2	.1								.4	6.0
NNE		.4	.5	.9	.1							1.9	6.4
NE		.4	6.2	11.9	1.4	.1						2.1	12.1
ENE		.8	11.5	38.5	9.0							56.8	13.2
E	.1	.3	4.4	10.0	1.0							15.7	12.2
ESE				.1								.1	14.0
SE			.2	.1								.3	13.3
SSE		.1										.1	6.0
S			.2									.2	7.5
SSW	.1	.3										.4	4.3
SW			.2									.2	6.0
WSW			.2									.2	7.0
W													
WNW													
NW			.1									.1	7.0
NNW		.2										.2	5.0
VARBL													
CALM												.1	
	.2	2.7	23.8	61.6	11.5	.1						100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH  
USFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11620 STATION HICKAM AFB HI STATION NAME 74-63 YEARS 191 NORTH  
ALL WEATHER CLAS 1100-2300 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.2									.2	5.7
NNE		.7	.5	.2								1.2	6.6
NE		2.4	2.5	5.7	.2							16.8	9.8
ENE	.2	3.9	21.7	34.3	2.6							62.8	11.2
E		1.2	8.6	5.7	.2							16.7	10.4
ESE	.1	.1										.2	4.5
SE			.3									.3	4.0
SSE		.2										.2	5.5
S	.1	.1										.2	4.5
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		.7										.2	4.7
VARBL													
CALM												.9	
	.5	2.7	47.7	46.9	3.0							100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 934



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-27 HICKAM AFB HI 74-83 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.0	.1	.1								.3	3.8
NNE	.1	.5	.5	.7	.0							1.9	9.3
NE	.3	2.2	6.5	9.9	2.0	.5						20.8	11.4
ENE	.1	3.1	15.9	30.1	6.9	.3						58.4	12.3
E	.1	1.1	5.4	7.0	1.7	.1						15.3	11.7
ESE	.1	.1	.2	.2								.6	9.0
SE	.1	.1	.2	.2								.6	10.5
SSE	.1	.1	.2	.2								.4	10.3
S	.1	.1	.2	.1								.4	6.4
SSW	.1	.1	.1	.0								.2	6.9
SW			.1	.0								.1	9.0
WSW		.1	.1									.1	7.2
W	.1	.1	.0									.1	5.1
WNW	.1	.2	.0									.3	4.3
NW	.1	.5	.0									.6	4.5
NNW	.1	.5	.1									.7	4.6
VARBL													
CALM												.0	
	1.7	9.7	29.8	48.5	17.6	.4						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 744

U. S. AIR FORCE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11120 HICKAM AFB HI STATION NAME 74-53 YEARS 1950 MONTH 12  
CLASS ALL WEATHER HOURS (LST) 24  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	.2									2.8	1.1
NNE	.1	1.5	1.2	.1								2.7	1.1
NE	.7	5.7	7.3	3.7								17.4	5.0
ENE	.1	7.4	26.9	20.3	1.4							56.1	10.0
E	.1	3.5	9.6	3.5	.4							16.1	8.0
ESE		.2										2.6	2.0
SE													
SSE													
S													
SSW													
SW													
WSW													
W		.2										2.8	2.0
WNW	.2	.4										6.6	3.7
NW	.1	1.5										1.6	4.0
NNW		1.6										1.6	4.0
VARBL													
CALM												1.0	
	1.1	23.7	44.2	27.6	1.8							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 470

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11927 HICKAM AFB HI 74-83 807  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.5	.4									3.7	4.4
NNE	.5	1.5	.5	.1								2.4	5.2
NE	.3	6.2	8.8	5.9								17.4	8.1
ENE	.1	7.4	24.5	14.9	.4							47.4	9.4
E	.7	3.8	5.3	3.1								13.9	6.4
ESE		.1										.1	6.0
SE		.7		.1								.3	7.0
SSE	.1	.1										.2	4.0
S													
SSW													
SW													
WSW													
W		.1										.1	4.0
WNW	.2	.5										1.1	4.1
NW	1.7	2.6	.1									2.7	4.3
NNW	.5	2.8	.1									3.4	4.5
VARBL													
CALM												.3	
	3.5	28.8	40.8	22.2	.4							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 97

U. S. AIR FORCE  
 CLIMATE BRANCH  
 AFMPC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01821 HICKAM AFB HI STATION NAME 74-10 YEARS 1974 MONTH 12  
 CLASS ALL WEATHER HOURS (L E T) 0000-2359  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.5	.6									2.5	4.2
NNE	.4	1.2	.7	.1								2.4	3.1
NE	.3	4.1	2.8	4.1								11.3	6.7
ENE	.6	6.6	27.7	1.7	1.0							40.7	9.8
E	.8	3.7	6.7	3.3	.8							24.1	7.4
ESE		.1										.1	4.5
SE		.1	.1									.2	6.5
SSE			.1									.1	7.0
S		.7										.7	6.0
SSW		.0										.0	6.5
SW													
WSW													
W		.7										.7	4.0
WNW	.4	1.2										1.6	5.1
NW	1.7	2.2	.1									4.0	4.2
NNW	.4	3.1	.1									3.6	4.4
VARBL													
CALM													
	4.9	24.0	40.1	25.8	1.5							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 22

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1927 HICKAM AFB HI 74-00  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG 1927  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.4									.2	7.3
NNE	.1	.3	1.3	1.0	.1							2.8	10.5
NE	.1	.3	5.1	11.5	1.4							18.4	11.9
ENE		.9	7.6	33.4	4.6	.2						46.7	13.3
E		.9	6.1	15.8	1.7	.1						19.6	11.9
ESE		.7	1.2	.3								1.8	3.0
SE		.5	.1	.1								.7	6.4
SSE		.1	1.2	.5								1.8	9.0
S	.1	.4	1.4	.1								2.0	7.6
SSW		.1	.5	.1								1.0	6.2
SW		.2	.7									.9	6.9
WSW													
W		.3										.3	4.7
WNW	.1											.1	3.0
NW		.1										.1	6.0
NNW													
VARBL													
CALM												.3	
	.5	5.2	26.6	57.3	9.8	.3						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11420 STATION HICKAM AFB HI 74-55 YEARS MONTH ALL WEATHER CLASS 1000-1400 HOURS (LST) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.3	.1								.5	8.8
NNE		.1	1.1	1.4								.3	11.3
NE		.2	2.7	14.8	4.0							1.7	13.9
ENE		.2	3.9	30.4	15.1	.5						5.0	15.1
E			1.7	11.9	3.1	.1						16.9	14.1
ESE			.4	.3								.2	10.3
SE			.9	1.0	.1							1.8	11.8
SSE		.1	.6	1.1	.1							1.9	11.8
S		.1	1.4	1.1								2.6	10.1
SSW			.7	.3								1.2	9.1
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
		.9	13.7	62.5	22.4	.6						10.0	14.2

TOTAL NUMBER OF OBSERVATIONS 97

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11120 HICKAM AFB HI 74-43  
STATION MONTH  
ALL WEATHER CLASS  
1.00-17.00 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.2	.1								.4	8.5
NNE		.1	1.1	1.5	.1							2.8	11.5
NE		.1	3.9	15.2	4.8	.3						24.0	14.0
ENE			4.1	32.9	15.3	.3						51.5	15.1
E		.3	1.1	13.3	2.7	.1						14.5	14.4
ESE				.2	.1							.2	13.7
SE		.1	.3	.5								1.0	11.7
SSE		.1	.4	.6								1.2	11.0
S		.2	1.2	.2								1.6	8.0
SSW			.3	.2								.4	9.1
SW		.1	.2									.6	8.7
WSW		.1	.5									.6	7.9
W			.1									.1	9.0
WNW													
NW													
NNW			.1									.1	7.0
VARBL													
CALM													
		1.3	13.2	61.7	23.0	.8						100.0	14.2

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1982 HICKAM AFB HI 74-23 40  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1982-2000  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.3	.2								.5	7.7
NNE		.1	1.1	.9								.5	10.1
NE		1.3	8.7	13.0	1.2							28.4	11.0
ENE		.4	12.7	38.0	4.8							58.8	12.7
E		1.2	4.5	7.2	.6							13.5	11.2
ESE		.1	.3	.1								.5	8.0
SE		.2	.5	.2								1.2	8.3
SSE		.2	.1									.3	6.3
S		.6	.1									.8	5.0
SSW		.2	.2									.4	6.3
SW		.1	.1									.2	6.5
WSW		.1	.1									.2	6.5
W		.2	.1									.3	6.3
WNW													
NW		.1										.1	6.0
NNW		.1	.2									.3	7.0
VARBL													
CALM													
		5.4	28.4	59.6	6.7							100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 770



LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11100 HICKAM AFB HI 74-53 40  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.4									1.3	6.1
NNE		.4	.4									1.3	7.4
NE	.1	4.7	9.1	7.4	.4							20.3	9.0
ENE	.2	5.2	20.5	26.3	1.3							33.5	10.6
E	.2	2.9	17.5	6.5	.1							22.3	9.4
ESE		.5	.3									.3	6.3
SE	.1		.2									.3	6.3
SSE	.1	.2										.2	4.3
S													
SSW		.1										.1	4.0
SW													
WSW	.1	.1										.2	4.6
W													
WNW		.1										.1	4.0
NW	.2	.1										.3	4.0
NNW		.3										.3	4.7
VARBL													
CALM												.0	
	1.1	15.6	47.6	40.3	1.8							100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 72

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11920 STATION HICKAM AFB HI STATION NAME 74-23 YEARS 1-5 MONTH

ALL WEATHER

CLASS

ALL HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	.4	.1								1.6	3.5
NNE	.1	.7	.9	.6	.3							2.4	8.5
NE	.1	3.2	6.6	4.1	1.5	.3						20.3	11.2
ENE	.1	3.5	15.3	26.8	5.7	.1						51.6	12.2
E	.1	1.9	5.9	7.1	1.2	.3						16.1	15.9
ESE		.2	.3	.1	.6							.8	6.6
SE	.3	.2	.3	.2	.3							.7	9.2
SSE	.3	.1	.3	.3	.3							.8	9.7
S	.3	.2	.5	.2								.9	6.4
SSW		.1	.3	.1								.3	6.2
SW		.1	.1									.2	7.5
WSW	.3	.3	.1									.1	6.9
W		.1	.3									.2	5.4
WNW	.1	.3										.3	3.9
NW	.3	.8	.3									1.1	4.3
NNW	.1	1.3	.1									1.2	4.7
VARBL													
CALM												1.2	
	1.4	13.2	30.9	44.6	8.4	.2						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11920 HICKAM AFB HI 74-83 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.9	.6	.1								2.4	5.2
NNE		2.1	.7									2.8	5.4
NE	.2	5.5	9.4	3.3	.1							17.1	8.3
ENE	.6	8.9	27.4	12.2	.7							49.6	8.9
E	.4	3.7	6.3	2.2	.1							12.5	8.0
ESE		.1	.1									.2	7.5
SE		.1										.1	4.0
SSE													
S		.1										.1	5.5
SSW													
SW													
WSW		.1										.1	4.0
W	.2	.1										.2	3.3
WNW	.4	1.7										1.4	3.2
NW	.4	4.1										4.6	4.5
NNW	.7	3.6										4.2	4.4
VARBL													
CALM												3.4	
	3.9	30.8	43.6	17.4	.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 470

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11920 HICKAM AFB HI 74-23  
STATION NAME STATION YEARS  
ALL WEATHER CLASS  
CONDITION  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	.4									1.1	4.1
NNE	.4	1.7	.7	.2								2.1	5.2
NE	.2	7.1	9.7	2.2								1.5	7.6
ENE	.7	5.3	21.2	5.3	.3							30.9	8.8
E	.2	3.3	5.7	1.5								13.5	7.9
ESE		.2										.2	5.8
SE													
SSE													
S													
SSW													
SW		.1										.1	4.4
WSW	.1	.1										.2	4.5
W	.2	.6										.2	3.7
WNW	.7	2.1										2.8	4.1
NW	2.2	5.9										8.1	4.1
NNW	.5	5.4	.1									6.0	4.5
VARBL													
CALM													
	6.9	37.4	37.1	12.3	.3							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11-20 STATION NICKAM AFB HI 74-50 YEARS 1950-1973  
STATION NAME CLASS NORTH  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.7	.8									4.0	4.0
NNE	.5	1.2	.6									2.3	5.7
NE	.1	4.5	7.1	2.9								14.6	6.1
ENE	.7	9.5	20.4	11.4	.4							43.5	9.1
E	.7	3.0	5.2	3.1	.3							12.3	6.5
ESE		.6	.7									.3	1.4
SE	.7											.3	2.7
SSE													
S													
SSW			.1									.1	7.0
SW	.1											.1	3.0
WSW													
W	.1	.4										.5	4.0
WNW	1.2	2.3										3.5	3.5
NW	1.9	5.7	.1									7.7	4.0
NNW	1.1	4.3	.6									6.0	4.7
VARBL													
CALM												.6	
	7.6	34.1	34.6	17.4	.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 90

U.S. AIR FORCE  
 CLIMATE BRANCH  
 AFMTC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11420 HICKAM AFB HI 74-83 YEARS SEP MONTH 11  
 CLASS ALL WEATHER HOURS (LST) 0000-1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.3	.2								1.0	7.4
NNE	.1	.6	.9	.2								1.0	7.8
NE	.1	.6	5.1	8.3	.9							10.0	11.0
ENE	.2	1.3	11.1	25.9	7.9							42.4	12.4
E	.3	1.7	6.2	11.0	1.7							21.4	11.4
ESE	.2	.7	2.2	.2								3.1	7.5
SE		.9	.5	1.2								2.0	9.1
SSE	.2	.9	2.1	.7								3.7	8.0
S	.2	1.2	1.2	.1								3.3	7.0
SSW	.1	1.3	.6									1.3	8.2
SW	.1	.4	.9									1.3	8.4
WSW	.1	.2										.3	5.0
W		.1	.1									.2	6.5
WNW	.2	.2										.4	7.0
NW		.1										.1	5.0
NNW													
VARBL													
CALM												.2	
	2.7	10.7	32.7	47.9	6.4							100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 72

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11200 HICKAM AFB HI 74-00 SE  
STATION NAME YEARS NORTH  
ALL WEATHER  
CLASS  
0000-2400  
HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.4	.5								1.1	10.0
NNE		.1	1.7	2.0	.1							2.9	12.0
NE		.1	2.6	15.4	2.3	.1						1.9	13.7
ENE		.3	3.7	25.7	2.7	.3						3.3	14.1
E		.3	2.6	18.0	2.6							13.4	13.4
ESE			.8	1.0								1.8	10.0
SE		.1	.9	2.8	.1							3.9	12.0
SSE		.1	2.7	3.2								3.0	11.4
S			3.7	1.4								4.4	9.4
SSW		.2	1.7									1.9	8.0
SW			.8	.4								1.2	10.3
WSW		.1	.1									.2	8.0
W													
WNW			.1									.1	10.0
NW			.1									.1	9.0
NNW	.1		.2									.3	8.3
VARBL													
CALM													
	.1	1.7	27.4	62.1	15.2	.4						10.2	13.3

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11-27 HIGHAM AFB MI STATION NAME 74-43 YEARS MONTH 11-17-17  
CLASS ALL WEATHER HOURS 11-17-17  
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.2	.2	.1							2.2	7.4
NNE		.2	.2	2.3	.2							2.9	12.0
NE	.1	.3	2.1	14.3	3.4	.2						20.3	13.9
ENE	.1	.1	3.6	34.2	12.3	.3						46.4	14.4
E		.7	2.1	6.7	7.9							17.1	13.6
ESE			.2	.3								.5	10.5
SE		.4	.7	.7								1.8	9.1
SSE		.1	.2	.4								1.4	7.4
S		.5	1.2	.7								2.4	9.0
SSW			1.7	.1								1.8	6.5
SW		.1	.9	.2								1.2	8.9
WSW		.4	.7	.1								1.2	7.4
W		.1	.2	.1								.4	6.0
WNW		.3	.4									.7	6.7
NW		.2	.3									.5	7.0
NNW			.7									.7	6.3
VARBL													
CALM												.1	
	.2	3.4	16.9	62.7	16.1	.6						100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 970



JOINT CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11420 HICKAM AFB HI 74-13 MONTH 10-1963  
STATION NAME CLASS ALL WEATHER HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	.4									1.6	6.8
NNE		.5	1.6	1.3								3.7	9.4
NE	.1	1.3	3.3	9.2	.4	.1						17.7	12.8
ENE	.1	2.7	18.3	31.6	2.7							55.4	11.8
E		1.0	5.5	5.0	.7							13.2	12.7
ESE	.1	.4	.4									1.0	8.7
SE			.4									.4	8.5
SSE	.1	.2		.1								.4	8.5
S	.2	.4	.7									.3	4.5
SSW		.4	.1									.7	1.8
SW		.4	.7									.7	1.8
WSW		.4										.4	5.1
W	.1	.2	.1									.3	4.4
WNW		.2										.2	4.5
NW		.2										.2	5.5
NNW	.1	.7	.6	.1								1.4	8.5
VARBL													
CALM												.1	
	1.1	12.7	36.2	48.3	7.0	.1						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 710

JOINT MILITARY AERONAUTICAL  
 WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11220 STATION NAME HICKAM AF- HI YEARS 74-83 LOCATION HI  
 CLASS ALL WEATHER HOURS 24  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	.1	.1								.8	1.2
NNE	.1	.6	.9	.3								.9	1.3
NE	.3	3.6	11.1	4.9	.2							1.8	5.9
ENE	1.3	4.1	25.1	17.2	1.0							12.4	9.0
E	.7	2.7	7.7	4.6	.3							11.2	5.2
ESE		.2	.1									.3	.5
SE		.1	.1									.2	.6
SSE		.2										.3	.7
S	.3											.6	3.0
SSW		.1										.1	5.0
SW													
WSW	.3											.4	3.1
W		.1										.1	1.0
WNW		.4										.4	4.3
NW	.4	.9	.1									1.4	4.4
NNW	.4	1.2	.1									1.7	4.4
VARBL													
CALM												.0	
	3.5	20.6	45.7	27.0	1.6							1.8	7.7

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

11820 HICKAM AFB HI 74-83 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L & Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	°	MEAN WIND SPEED
N	.5	1.5	.4	.2	.0							2.3	5.8
NNE	.1	.9	.9	.9	.0							2.4	8.7
NE	.2	2.7	5.7	7.6	1.0	.1						15.3	10.5
ENE	.4	4.9	16.4	20.7	3.6	.1						40.1	11.1
E	.2	2.0	5.1	5.9	.9							14.1	10.5
ESE	.0	.3	.5	.2								1.7	8.5
SE	.0	.2	.4	.6	.0							1.2	17.1
SSE	.0	.0	.5	.6								1.4	9.7
S	.1	.3	.9	.3								1.4	8.3
SSW	.0	.3	.6	.0								.5	7.4
SW	.0	.1	.3	.1								.5	7.9
WSW	.1	.2	.1	.0								.3	6.5
W	.1	.2	.1	.0								.4	4.8
WNW	.3	.3	.1									1.2	4.3
NW	.6	2.1	.1									2.8	4.3
NNW	.4	1.9	.2	.0								2.6	4.7
VARBL													
CALM												2.3	
	3.2	16.7	33.3	36.9	5.5	.1						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 7200

U.S. NAVAL CLIMATOLOGY BRANCH  
USAFETAC  
AFM WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-27 STATION HICKAM AFB HI 74-53 YEARS OCT MONTH  
ALL WEATHER CLASS 1000-2000 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.6	.3	.2								4.2	4.2
NNE	.2	1.6	1.6	.1								3.7	6.0
NE	.5	5.6	9.7	3.8								19.5	8.1
ENE	.5	7.2	18.4	12.5	.2							38.9	9.2
E	.4	3.2	5.8	2.2	.1							11.5	8.3
ESE		.3	.3									.6	7.2
SE		.1		.3								.4	11.0
SSE													
S				.3								.2	12.0
SSW		.2										.2	5.0
SW	.1	.3	.2									.2	5.7
WSW		.1										.1	4.0
W	.4	.8										1.2	3.6
WNW	1.1	1.6										2.7	3.7
NW	1.1	5.8	.1									7.0	4.0
NNW	.4	3.7	.5									4.5	5.0
VARBL													
CALM												4.3	
	5.9	32.7	37.4	19.4	.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 931

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

11-20 STATION HICKAM AFB HI 74-83 YEARS 257 MONTH

ALL WEATHER

CLASS

0800-0900 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	.5	.1								5.7	4.7
NNE	.1	1.9	1.1									3.1	5.0
NE	.6	5.1	7.8	2.8								16.5	7.2
ENE	1.0	6.6	15.6	7.7	.5							33.3	6.0
E	.5	2.8	4.6	1.7	.1							9.7	7.8
ESE	.1	.3	.5									1.0	6.4
SE		.2										.2	4.5
SSE			.3	.1								.3	16.0
S			.4									.4	6.0
SSW		.2										.2	3.0
SW	.1		.1									.2	6.0
WSW	.2	.1										.3	3.0
W	.2	1.1	.1	.1								1.6	5.4
WNW	.5	2.5										3.0	4.5
NW	1.0	6.2	.5									8.7	4.4
NNW	1.4	5.2	.6	.1								7.3	4.7
VARBL													
CALM												3.5	
	8.2	35.4	34.6	12.7	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11520 HICKAM AFB HI STATION NAME 74-83 YEARS 1977  
 CLASS ALL WEATHER HOURS (LST) 0000-2400  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	.8	.1								1.2	4.5
NNE	.6	1.4	1.2	.3								3.5	5.2
NE	.4	4.0	6.5	3.5	.1							14.5	8.5
ENE	.9	5.7	16.0	10.8	.5							33.4	9.3
E	.2	3.0	6.7	2.5	.1							12.5	8.4
ESE	.2	.1	.3									.8	6.0
SE		.1		.2								.3	5.3
SSE			.1	.1								.2	11.5
S			.3									.3	10.0
SSW	.1	.3	.3									.8	6.3
SW	.1	.1										.2	4.5
WSW													
W	.5	.8	.1									1.4	4.2
WNW	.5	2.7	.1									.4	4.2
NW	1.5	6.5	.3	.1								7.4	4.0
NNW	1.2	5.5	.3									7.0	4.0
VARBL													
CALM												7.6	
	8.1	32.9	33.0	17.6	.8							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 472

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11423 STATION NAME HICKAM AFB HI YEARS 74-80 MONTH DEC  
 CLASS ALL WEATHER  
 HOURS (L E T) 0000-1159  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.0	.8								1.0	3.4
NNE	.1	.4	1.8	1.3	.1							3.0	4.7
NE		.5	4.3	9.2	1.0							15.1	12.2
ENE	.1	.6	7.6	23.3	5.3							37.9	15.0
E	.3	2.2	7.0	11.0	1.6							22.2	11.3
ESE	.0	1.4	1.7	.9								4.1	7.8
SE	.4	1.0	.6	1.3								3.3	6.1
SSE	.1	.8	1.4	.2	.1							2.8	6.1
S		1.0	2.2	.3	.1							3.6	6.2
SSW		.2	1.1	.1								1.4	6.0
SW	.1	.8	.3	.1								1.7	7.2
WSW		.5	.2									.8	5.7
W	.1			.1								.2	6.0
WNW		.2										.2	4.5
NW		.5	.1									.6	5.7
NNW		.2	.2									.4	6.0
VARBL													
CALM												1.0	
	1.6	17.8	29.2	48.5	8.2							100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 911

U.S. NAVAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI YEARS 74-83 MONTH ALL  
STATION NAME ALL WEATHER CLASS ALL WEATHER  
CONDITION ALL WEATHER HOURS (LST) 1000-1400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	1.7	.6	.1							2.6	10.4
NNE			.3	1.7	.2	.1						2.3	12.7
NE	.1		2.4	14.2	4.1	.3						21.1	14.1
ENE		.3	3.1	25.4	9.6	.3						37.7	14.5
E		.1	2.9	8.7	2.7	.1						14.8	13.5
ESE			.5	1.4	.1							2.0	12.3
SE		.1	.9	2.2	.2							3.3	12.5
SSE			1.7	3.3	.1							4.7	12.3
S		.1	3.4	1.2								4.7	9.3
SSW			1.7	.5								2.3	9.3
SW			1.9	.3								2.3	9.1
WSW		.1	1.2	.1								1.4	8.8
W			.3									.3	9.0
WNW													
NW		.1										.1	4.0
NNW		.2	.1									.3	3.3
VARBL													
CALM												.2	
	.1	1.4	21.6	59.7	16.1	.9						100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 430



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11-27 HICKAM AFB HI STATION NAME 74-43 YEARS 507 NORTH  
ALL WEATHER CLASS 1800-1700 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.7	.2								1.6	6.1
NNE		.1	1.2	2.9	.4							4.6	12.2
NE		.4	2.5	14.6	3.1							21.9	13.6
ENE		.2	4.5	31.3	9.0	.1						45.2	14.2
E	.1		1.3	8.7	1.7	.1						11.4	13.3
ESE		.3	.6	.4								1.4	8.8
SE		.1	.7	.8								1.2	10.3
SSE		.3	1.4	1.1								2.5	5.9
S		.3	1.9									2.2	6.1
SSW		1.1	2.3									3.3	7.4
SW	.1	.6	.9									1.6	6.3
WSW		.4	1.5	.2								2.3	6.2
W		.3	.8									1.1	7.4
WNW		.1										.1	5.0
NW	.1	.2	.1									.4	5.0
NNW			.7	.1								.4	9.3
VARBL													
CALM													
	.4	4.6	27.3	65.1	14.3	.2						120.0	12.3

TOTAL NUMBER OF OBSERVATIONS 970

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
214 WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11120 HICKAM AFB HI STATION NAME 74-23 YEARS 1957  
MONTH 11-12  
CLASS ALL WEATHER  
HOURS (LST) 0000-2300  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	1.1	.3								2.0	7.0
NNE	.1	.5	2.0	.2								2.4	6.3
NE	.2	1.3	6.7	12.3	1.0							11.0	11.1
ENE		2.6	16.7	23.1	1.7							44.1	11.3
E	.2	1.8	8.1	7.1	.3							17.5	10.0
ESE		.2	.1	.2								.8	4.3
SE		.6	.2									.8	5.0
SSE		1.0	.1									1.1	5.7
S	.2	1.2	.2									1.8	4.9
SSW		.8	.2									1.0	5.0
SW		.9	.3									1.2	5.0
WSW		.2	.1									.2	5.3
W		.5										.8	5.2
WNW		.4										.4	5.3
NW	.1	.8	.3									1.2	5.0
NNW	.1	.6	.2									.5	6.1
VARBL													
CALM												1.1	
	1.2	14.6	36.3	43.9	3.0							100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 27

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11800 STATION NAME HICKAM AFB HI YEARS 74-83 MONTH 06  
CLASS ALL WEATHER HOURS (LST) 0000-2359  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.0	1.4									.1	5.4
NNE	.7	1.4	.9	1.0								.4	7.7
NE	.5	2.9	9.0	6.9	.3							18.6	9.4
ENE	.3	3.3	27.1	13.4	1.3							43.4	9.4
E	.7	3.4	7.7	3.5	.3							16.2	8.0
ESE	.7	.4	.3	.1	.1							1.1	5.2
SE	.1											.4	3.1
SSE		.3										.6	5.2
S		.6	.7									.6	8.0
SSW	.1	.5	.7									1.7	5.4
SW			.1									.1	7.0
WSW	.1	.2										.7	4.0
W	.1	.2										.6	3.7
WNW	.3	.4										.7	4.1
NW	.7	1.9	.1									2.4	4.0
NNW		1.7	.4	.1								2.4	5.1
VARBL													
CALM													
	3.7	25.5	41.4	25.1	2.0							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 53

U.S. AIR FORCE  
 CLIMATE BRANCH  
 AFM 7-10.1  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1120 HICKAM AFB HI STATION NAME 74-53 YEARS 307  
 CLASS ALL WEATHER MONTH 311  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	.9	.3	.0							3.2	5.0
NNE	.7	.9	1.2	1.2	.1	.0						3.5	5.6
NE	.7	2.4	6.1	8.5	1.2	.0						18.9	10.3
ENE	.4	3.2	13.1	18.4	3.4	.1						34.2	11.3
E	.3	2.7	5.6	5.6	.9	.0						14.4	10.4
ESE	.1	.4	.5	.4	.0							1.4	6.5
SE	.1	.3	.3	.6	.0							1.2	9.7
SSE	.0	.3	.5	.6	.0							1.6	10.0
S	.0	.4	1.1	.2	.0							1.7	8.2
SSW	.0	.4	.7	.1								1.3	7.4
SW	.1	.3	.5	.1								1.0	7.2
WSW	.0	.2	.4	.0								.7	7.2
W	.0	.5	.2	.0								.5	5.3
WNW	.3	1.0	.0									1.3	4.2
NW	.6	2.8	.0	.0								3.4	4.0
NNW	.4	2.1	.0	.0								2.5	5.0
VARBL													
CALM												0.3	
	3.6	19.7	31.7	35.8	5.7	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1120 HICKAM AFB HI 74-83 NOV  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.4	.2	.1								8.0	5.1
NNE	.6	1.0	1.4									3.0	6.2
NE	.7	3.7	7.3	5.8								14.2	8.2
ENE	1.1	6.6	14.3	5.7	.4							11.1	8.9
E	.3	2.3	5.1	3.6	.6							11.8	9.0
ESE		.6	.2	.3								1.1	8.2
SE			.2	.3	.2							.8	12.7
SSE			.1	.1	.3	.1						.7	17.0
S		.1	.3	.2		.1						.7	9.8
SSW		.1	.1	.1								.3	2.7
SW				.3								.3	12.7
WSW	.1			.1								.2	7.0
W	.3	.3	.2	.1								1.1	5.0
WNW	.3	4.3	.2									4.9	4.6
NW	1.2	8.3	.8	.2								10.8	4.9
NNW	1.0	4.7	.4	.1								5.2	4.9
VARBL													
CALM												7.0	
	5.9	36.4	31.9	17.1	1.6	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 520



CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
114 WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1920 STATION HICKAM AF HI 74-13 YEARS 1921 MONTH 1-1955 HOURS 1-5 T  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.7	4.3	.3	.1								0.5
NNE	.6	1.4	1.3	.1								0.1
NE	.6	4.7	9.7	.3	.1							1.5
ENE	.5	5.4	13.3	5.3	.5	.1						2.5
E	.7	1.6	4.3	7.3	.4							2.7
ESE		.4	.7	.3	.1							1.1
SE		.3		.4	.2	.1						1.3
SSE	.3		.3	.2								.5
S	.1		.7	.6								11.3
SSW		.1	.1	.1								2.3
SW												
WSW	.1	.1										4.3
W		1.3	.1			.1						3.3
WNW	1.3	3.0	.7	.1								4.3
NW	1.6	9.7	.7	.1								4.3
NNW	1.3	5.2	.3	.1								4.3
VARBL												
CALM												
	7.6	36.9	23.3	14.3	1.6	.3					1.0	6.7

TOTAL NUMBER OF OBSERVATIONS 175

U.S. NAVAL CLIMATOLOGY BRANCH  
 GLEETAC  
 U.S. WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI STATION NAME 74-53 YEARS 1941  
 CLASS ALL WEATHER MONTH 1-12  
 CONDITION HOURLY

SPEED (KTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.6	.4	.3								.8	6.4
NNE	.1	.7	1.7	.3								.4	7.8
NE		.9	4.7	7.7	.8	.1						1.4	11.1
ENE	.5	2.5	4.9	15.6	7.3	.7						7.7	14.1
E	.4	3.0	5.3	7.6	1.0	.1						10.1	10.5
ESE	.2	1.7	.7	.7	.3	.1						3.7	6.3
SE	.1	.9	.6	.8	.1							1.4	5.9
SSE	.1	.4	1.7	.1	.1							.4	6.4
S	.3	1.2	3.7	.4								.3	7.1
SSW		1.1	.7	.2								.4	7.3
SW	.7	.5	.9									.1	6.5
WSW	.1	.7	.7	.2								.4	7.4
W		.2										.1	4.1
WNW	.4	1.2	.4									.2	5.1
NW	.2	.0	.4	.3								.1	6.1
NNW	.1	1.7	.7	.4								.3	6.5
VARBL													
CALM													
	3.2	21.2	29.7	35.4	5.7	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 750



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11922 HICKAM AFB HI 74-83 NOV  
STATION MONTH  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.7	.7								2.7	9.0
NNE		.4	1.1	2.6	.4							4.6	12.2
NE		.2	4.1	9.9	2.4	.3						17.2	13.0
ENE		.3	4.3	19.8	5.0	.6						31.0	13.7
E		1.2	2.6	8.3	7.3	.3						20.0	13.4
ESE		.1	1.1	.7	.1	.1						3.1	10.7
SE		.3	1.6	3.1	.1	.2						5.3	11.5
SSE	.1	.3	2.4	1.7	.1							4.7	9.5
S		.8	5.5	1.0								6.3	8.7
SSW		.4	2.6	.7								3.7	8.5
SW		.3	1.8	.4								2.6	7.5
WSW		.4	1.6	.4								2.7	8.7
W		.3	.2	.2								.5	8.1
WNW		.2	.1									.3	5.7
NW			.4	.2								.7	10.3
NNW	.1	.1	.2	.7								1.1	11.0
VARBL													
CALM													
	.3	6.0	30.1	50.2	11.6	1.6						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 900

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-20 STATION HICKAM AFB HI 74-83 YEARS NORTH  
ALL WEATHER CLASS 1000-1700 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.7	.8	.2							2.1	9.5
NNE		.4	1.7	2.7	.2							4.3	13.8
NE		.3	4.0	11.9	1.9	.2						19.2	12.8
ENE	.1	.4	4.0	22.3	5.4	.7						32.8	13.8
E		.3	2.3	6.9	3.0	.1						12.1	13.6
ESE	.1	.3	.3	.2								1.6	7.7
SE		.3	2.7	1.6	.2		.1	.1				4.3	11.5
SSE		.6	1.3	.3				.1				2.3	7.4
S		1.6	2.2	1.1								4.9	8.3
SSW	.1	1.2	2.6	.2	.1							4.2	7.7
SW	.1	.7	2.1	.4								3.3	6.0
WSW		.4	1.7	.7								2.8	8.0
W	.1	.1	.4	.2								.4	8.1
WNW		.1	.2									.2	6.7
NW	.1	.4	.3	.1								1.8	6.6
NNW		.2	.2	.7								1.1	11.2
VARBL													
CALM												.2	
	.7	8.4	28.8	49.4	11.1	1.0	.1	.2				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11520 HICKAM AFB HI 74-83 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.3	3.4	.6								7.5	6.6
NNE	.1	1.6	2.0	1.2	.1							5.7	6.3
NE	.1	3.4	6.6	5.9	.6							16.6	9.9
ENE	.4	4.4	15.1	15.6	2.0	.1						37.7	10.6
E	.1	1.4	5.2	5.3	.4	.2						12.9	10.5
ESE		.5	.7	.3								1.0	7.5
SE	.1	.2	.5	.7								1.0	9.6
SSE	.1	.4	.4	.6	.1		.1					1.0	11.1
S	.2	1.4	.3	.3								2.2	5.7
SSW	.3	.4		.1		.1						1.0	7.4
SW	.1	.3	.1	.2		.1						.9	10.0
WSW	.1	.3	.2									.7	5.3
W		1.4	.4									1.4	5.5
WNW		.4	.1									.5	5.6
NW	.1	1.6	.4									.1	5.6
NNW		1.3	.4	.3								.1	6.6
VARBL													
CALM												.5	
	2.3	23.0	36.7	30.9	3.2	.7	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 970

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

01920 HICKAM AFB HI 74-83 1984  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.7	1.1	.3								4.3	2.1
NNE	.3	1.6	1.7	.6								3.3	7.2
NE	.6	4.2	6.1	4.1	.1							10.1	8.6
ENE	.6	8.7	15.2	10.2	1.3	.1						30.3	9.7
E	.1	3.2	5.2	4.3	.7							13.6	9.9
ESE	.1	.4										.6	4.5
SE	.1	.1		.6								.1	10.7
SSE	.1	.1	.1	.3	.2							.5	11.3
S		.1	.3	.1	.1							.7	10.7
SSW			.7	.1								.1	14.3
SW			.7	.1		.2						.3	16.3
WSW	.2	.2				.1						.1	7.8
W		1.0										1.0	4.3
WNW	.4	1.9										2.3	4.3
NW	1.2	4.3	.2									5.8	4.3
NNW	.4	6.0	.2									6.7	5.0
VARBL													
CALM												4.4	
	6.2	35.8	30.1	20.8	2.4	.4						10.0	7.8

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE  
CLIMATE BRANCH  
AFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI STATION NAME HICKAM AFB HI YEARS 74-83 MONTH ALL

CLASS ALL WEATHER

CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.8	1.7	.4	.0							1.0	0.4
NNE	.0	1.0	1.0	1.1	.1							4.0	0.0
NE	.7	2.6	5.9	6.0	.7	.1						11.0	10.0
ENE	.4	4.4	17.7	13.0	2.3	.2						31.1	10.0
E	.7	2.1	4.4	5.6	1.2	.1						13.0	10.0
ESE	.1	.6	.5	.3	.1	.0						1.0	0.0
SE	.0	.3	.6	1.0	.1	.1	.0	.0				1.0	1.4
SSE	.1	.2	.8	.4	.1	.0	.0	.0				1.0	10.1
S	.1	.7	1.4	.5	.0							2.0	8.3
SSW	.1	.5	.8	.2	.0	.0						1.0	0.0
SW	.1	.3	.6	.2		.0						1.0	0.0
WSW	.1	.2	.5	.2		.0						1.0	0.0
W	.2	.7	.2	.1		.0						1.0	5.0
WNW	.5	2.1	.2	.0								2.0	4.7
NW	.7	4.2	.5	.1								5.0	4.0
NNW	.6	3.3	.4	.3								4.0	5.4
VARBL													
CALM												4.4	
	4.3	26.0	30.3	29.4	4.8	.6	.0	.0				100.0	0.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
4TH WEATHER SERVICE /MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 74-02 HICKAM AFB HI STATION NAME 74-02 YEARS 080 MONTH 000-000  
CLASS ALL WEATHER HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.5	1.7	.2								1.2	2.4
NNE	.4	2.2	1.2	.4								4.2	6.7
NE	.3	2.9	4.7	2.7	.5	.1						11.5	9.3
ENE	.4	4.2	7.1	8.7	1.5							21.9	16.4
E	.7	1.7	3.1	2.9	.8	.1						8.9	10.2
ESE	.1	.1										.2	4.0
SE			.2	.2								.4	11.3
SSE		.1	.1	.4		.1						.6	13.3
S	.1	.4	1.3	.8	.2							1.7	13.0
SSW		.5	.5	.4								1.5	8.0
SW		.5	.6	.3								1.5	8.2
WSW		.1	.6	.1								.7	8.6
W	.4	1.9	.2									2.5	4.7
WNW	1.4	4.9	.2	.1								6.7	4.5
NW	1.5	8.7	.8									11.0	4.5
NNW	1.5	6.6	.8									9.0	4.0
VARBL													
CALM												11.2	
	7.3	36.7	22.2	17.3	3.1	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11720 HICKAM AFB HI 74-83

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

NO. OF

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.6	.3	.1								6.3	4.4
NNE	.8	1.2	.6	.5								1.3	6.8
NE	.6	2.0	3.3	1.2	.6							1.1	6.7
ENE	.4	4.6	7.5	7.1	.9	.2						1.1	10.1
E	.5	1.2	2.5	2.5	.6							7.7	13.5
ESE		.3	.2	.2								.2	5.6
SE			.3	.1	.1							.3	11.2
SSE		.1	.2	.4								.4	11.3
S	.1	.4	.5	1.1	.4							1.2	11.6
SSW		.9	.2	.4								1.1	7.3
SW		.7	.5	.2								1.1	5.2
WSW		.1	.6	.2								1.2	5.1
W	.3	2.0	.3									3.9	4.9
WNW	1.4	5.1	.3									6.7	4.3
NW	1.3	10.8	.4	.1								12.6	4.7
NNW	2.5	8.6	.8									11.1	4.6
VARBL													
CALM												1.3	
	9.2	41.6	19.7	14.2	2.8	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE / MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

HICKAM AFB HI

STATION NAME

74-83

YEARS

MONTH

ALL WEATHER

CLASS

1972-1973

HOURS (L & T)

CONDITION

SPEED KNTS/ DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.7	1.7	.3								1.2	3.4
NNE	.1	1.1	.6	.4								1.3	7.3
NE	.9	2.5	2.8	1.8	.4	.1						1.5	6.7
ENE	.6	3.3	6.7	9.1	1.8							20.5	16.7
E	.4	1.6	1.5	2.4	.5	.1						6.8	7.9
ESE		.7	.1									.3	7.0
SE		.1		.5								.6	11.3
SSE		.7	.1	.6	.2							1.2	12.7
S		.8	.4	1.5	.4							3.1	11.6
SSW		.1	.7	.9								1.3	11.4
SW		.2	.3	.1								.6	6.3
WSW	.2	.4	.3	.1								1.1	6.0
W	.4	1.9	1.0	.2	.1							3.7	6.3
WNW	1.6	5.8	.2									7.6	4.3
NW	3.3	10.0	.9	.1								14.5	4.6
NNW	1.7	6.6	.9	.1								6.2	4.3
VARBL													
CALM												12.2	
	11.0	38.1	16.8	18.3	7.5	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

574



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION HICKAM AFB HI 74-83 YEARS DEC MONTH 11  
CLASS ALL WEATHER HOURS (LST) 000-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	1.7	.5								4.2	7.4
NNE	.1	.8	1.4	.9	.2							3.7	9.5
NE	.3	1.3	3.4	4.1	.8							9.9	10.6
ENE	.2	1.1	5.4	11.8	7.0	.8						22.4	12.8
E	.5	1.9	2.8	6.7	1.8							12.7	11.5
ESE	.7	2.5	1.7	.4								4.2	8.3
SE	.5	2.4	2.7	.4								3.4	8.7
SSE		1.8	1.4	.2	.2							3.7	7.9
S	.3	1.7	2.4	1.2	.3							8.9	8.0
SSW		1.2	1.1	.8	.1							2.1	8.7
SW	.1	1.0	2.5	.9								4.4	8.7
WSW	.1	.9	.9	.2	.1							2.2	7.8
W	.7	1.2	1.1	.3	.2							3.0	7.5
WNW	.5	1.1	.2									1.9	4.7
NW	.5	2.2	1.1	.3								4.1	8.4
NNW	.5	2.0	.6	.2								3.4	5.7
VARBL													
CALM												4.1	
	5.1	24.4	29.1	28.9	6.8	.9						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 970

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11020 STATION HICKAM AFB HI 74-83 YEARS 200 MONTH NORTH  
ALL WEATHER CLASS 1967-1968 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	.5	.1							1.2	10.1
NNE		.4	1.6	2.4	.2							4.8	11.1
NE	.1	.2	2.0	7.9	1.7	.1						10.9	13.2
ENE		.6	4.9	13.7	4.4	1.2						24.5	14.0
E		.2	3.4	3.9	2.4	.2						10.2	13.1
ESE		.3	.9	.9								3.3	6.3
SE		.9	2.3	2.4								5.0	9.2
SSE		1.0	4.6	2.0								7.6	7.3
S		2.3	5.8	1.0	.3							9.4	6.4
SSW		1.3	2.4	1.2	.3							5.2	9.4
SW	.1	1.4	2.2	2.0								5.7	9.1
WSW		.5	1.2	1.7								3.4	9.3
W		.3	.7	1.2	.1							1.3	11.1
WNW		.2		.1		.2						1.2	14.4
NW		.4	.6	.6	.2							1.7	10.4
NNW			1.0	.6	.1							1.7	11.3
VARBL													
CALM													
	.2	10.8	35.4	41.7	9.9	1.7						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 979

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1967 HICKAM AFB HI 74-63 210  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1967-1968  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.5	.9	.2							3.1	9.1
NNE		.1	1.5	3.5	.2	.1						4.7	11.1
NE		.3	5.3	7.8	1.6							10.0	12.2
ENE		.4	4.4	14.7	5.3	.9						25.7	13.9
E	.1	.4	1.4	4.2	1.6	.9						5.6	13.5
ESE	.1	.3	.5	1.3								2.3	10.5
SE	.2	.2	3.2	.9								4.3	9.1
SSE	.2	1.7	2.5	1.1								3.1	8.5
S	.2	2.5	4.3	.6								7.6	7.4
SSW		1.9	2.7	1.2								3.3	6.4
SW		1.3	4.2	1.1								6.4	6.4
WSW		1.3	1.9	1.4								4.6	6.2
W		.5	1.6	1.2	.1							2.5	9.9
WNW	.1		.1	.2		.2						.8	13.7
NW		.3	.6	.5								1.4	10.1
NNW	.1	.3	.5	1.1	.1							2.3	10.4
VARBL													
CALM													
	1.1	11.5	35.5	40.7	9.2	2.0						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
U.S. WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11325 HICKAM AFB HI STATION NAME 74-53 YEARS 2-6 MONTH 1-6  
CLASS ALL WEATHER HOURS (LST) 1800-2400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.2	2.7	.5								7.4	6.2
NNE	.3	2.3	2.7	.9								5.4	7.5
NE	.3	3.6	6.1	3.3	.5							13.7	8.9
ENE	.3	3.7	9.9	15.7	7.3	.8						29.5	14.5
E	.4	1.7	7.8	2.7	.8	.3						8.7	10.3
ESE		.2	.1	.1								.4	7.5
SE	.1	.9	1.1	.2	.1							1.4	7.7
SSE	.7	.9	.8	.2								1.4	8.5
S	.4	1.3	1.6	.8								4.1	7.7
SSW	.7	1.1	.9	.7								3.4	6.9
SW	.4	1.3	1.7	.3								3.3	6.7
WSW	.7	1.4	1.1	.2								2.3	6.2
W	.6	2.6	.8	.2								4.2	5.8
WNW	.7	.2	.3									.5	5.7
NW	.7	1.5	1.7	.3								2.5	6.7
NNW	.1	2.4	1.7	.4								4.1	6.6
VARBL													
CALM												4.2	
	4.3	28.5	34.7	22.4	4.7	1.1						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 927

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HICKAM AFB HI STATION NAME 74-23 YEARS DEC MONTH 1977-1978  
CLASS ALL WEATHER HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.2	1.3									5.2	4.5
NNE	.2	1.6	1.4	.2								3.9	7.0
NE	.2	5.4	4.1	2.5	.3	.1						13.3	8.0
ENE	.9	5.4	4.7	4.6	2.7	.2						27.1	10.2
E	.5	1.6	2.6	3.5	1.2	.2	.1					9.5	11.4
ESE		.2	.5	.1	.1							2.6	7.3
SE				.2								.4	13.5
SSE		.4	.7	.3								1.1	8.1
S	.1	.5	1.1	.6								2.7	8.1
SSW	.5	.5	.5	.4								1.9	7.4
SW	.1	.4	.9	.5								1.9	8.2
WSW	.5	.6	.5									1.1	5.3
W	.1	2.2	.5									2.8	5.4
WNW	1.2	2.3	.7									3.6	4.2
NW	1.5	6.3	.6									8.6	4.0
NNW	1.2	5.1	1.2	.1								7.2	5.1
VARBL													
CALM													
	9.6	36.5	24.2	16.2	3.9	.5	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 727

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
470 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WICKAM AFB HI STATION NAME 74-53 YEARS 2 MONTH 2  
CLASS ALL WEATHER HOURS (L E T) 24  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.4	.4	.0								3.2
NNE	.7	1.2	1.5	1.0	.1								3.5
NE	.4	2.3	4.5	3.5	.5	.1						11.7	10.1
ENE	.3	2.2	6.7	1.8	2.5	.5						11.7	11.7
E	.7	1.3	2.5	3.6	1.2	.2	.7					11.7	11.7
ESE	.1	.6	.4	.4	.2							1.4	7.7
SE	.1	.5	1.7	.6	.2							2.7	5.7
SSE	.1	.7	1.7	.7	.1	.5						2.7	5.7
S	.2	1.3	2.7	.9	.2							4.7	5.7
SSW	.1	.9	1.7	.7	.1							2.7	5.7
SW	.1	.8	1.6	.7	.1							2.7	5.7
WSW	.1	.7	.0	.5	.2							2.7	5.7
W	.5	1.6	.6	.4	.1							2.7	5.7
WNW	.6	2.4	.7	.1		.1						2.7	4.7
NW	1.5	5.0	.3	.3	.0							7.1	5.7
NNW	1.0	4.0	.3	.3	.3							5.1	5.7
VARBL													
CALM													
	5.9	28.8	27.2	25.2	5.5	.9	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF-WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14820 HICKAM AFB HI 74-83 ALL MONTH ALL HOURS (LST)

STATION NAME CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	.9	.3	.0							3.4	6.1
NNE	.5	.8	1.1	.9	.1	.0						1.0	6.5
NE	.7	2.2	5.3	6.9	1.3	.1	.0					16.0	10.8
ENE	.7	3.6	11.4	18.7	4.5	.7	.0					30.7	11.6
E	.2	1.6	4.4	5.3	1.2	.1	.0					12.8	11.1
ESE	.5	.3	.4	.3	.0	.0						1.1	8.5
SE	.7	.3	.5	.6	.1	.0	.0	.0				1.8	9.9
SSE	.1	.3	.7	.6	.0	.0	.0	.0				1.8	9.7
S	.1	.6	1.5	.6	.1	.0						2.9	6.7
SSW	.1	.4	.9	.3	.0	.0						1.7	6.3
SW	.1	.4	.9	.4	.0	.0						1.7	6.8
WSW	.1	.3	.6	.4	.0	.0						1.4	9.0
W	.2	.5	.4	.3	.0	.0						1.4	7.3
WNW	.4	1.2	.1	.0	.0	.0						1.7	4.4
NW	.5	2.8	.4	.1	.0	.0						3.8	5.1
NNW	.5	2.4	.4	.2	.0	.0						3.5	5.4
VARBL													
CALM												1.4	
	3.5	19.6	29.8	35.7	7.3	.5	.0	.0				101.0	9.9

TOTAL NUMBER OF OBSERVATIONS 57630

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFWS WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11120 HICKAM AFB HI 74-83  
STATION STATION NAME YEARS

INSTRUMENT

CLASS

111

MONTH

CIS 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE,

CONDITION

111

HOURS (LST)

AND/OR VSBY 1/2 TO 2-1/2 MI w/CIS 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.1	2.7	.5								7.2	6.7
NNE		.5	1.9	1.4								3.6	9.6
NE			.5	2.7	.5	.5						3.6	14.6
ENE	.9	1.4	1.4	2.7	.9							7.2	16.6
E	.5	1.5	1.8	2.3	.9							7.2	9.4
ESE			2.7	.9	.9							4.1	11.4
SE		1.4	.5	1.8	.5							4.1	16.4
SSE		.5	.5	1.4	.9	.5						3.6	14.6
S		2.3	2.3	2.7	2.7	.5						16.4	12.3
SSW	.5	1.9	2.7	.5		.5						3.6	9.1
SW		2.3	.5	1.4	.5	.5						3.6	15.7
WSW		1.9	2.7	1.8	2.3	.9						3.6	12.2
W	.5	1.9	2.7	3.6	1.8							16.4	16.5
WNW	.9	.9	.5									2.3	4.5
NW	.5	1.5	2.7									3.6	6.4
NNW	.5	.9	2.3	1.4								3.6	6.5
VARBL													
CALM												3.6	
	4.1	23.1	27.6	24.4	11.8	3.2						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 221



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the >10 mi visibility category should be used with great caution.

(continued on Reverse Side)

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$					95.4		96.9			98.3						100.0
$\geq 0$																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

**EXAMPLE # 4** Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

**EXAMPLE # 5** To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

U.S. NAVAL OBSERVATORY - WASHINGTON  
 U.S. NAVY  
 U.S. NAVAL WEATHER SERVICE DETACHMENT - ASHLEIGH, N.C.  
 U.S. NAVAL WEATHER SERVICE - WDC

# CEILING VERSUS VISIBILITY

STATION 74-83  
 STATION NAME HICKAM AFB HI

74-83

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	55.1	55.2	55.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 7000	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 6000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 5000	71.5	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 400	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 200	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 100	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 52

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

MICHAEL AFB TX

74-39



STATION NAME

YEAR

**Figure 1**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5:05

U.S. AIR FORCE METEOROLOGICAL BRANCH  
 WAFB WEATHER SERVICE DETACHMENT, ASHEVILLE, NC.

# CEILING VERSUS VISIBILITY

STATION: WAFB STATION NAME: WAFB YEARS: 74-75 DAY: 01  
 MONTH: 01 HOUR: 01  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	4.6	14.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	51.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 16000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 8000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 900	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 700	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 600	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 400	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 300	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 100	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS: 100

1  
 1. TOTAL CLIMATOLOGY BRANCH  
 2. METEOR.  
 3. AIR FORCE WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 111007 STATION NAME ASHEVILLE, NC YEARS 74-75  
 MONTH NORTH  
 -11  
 HOURS 151

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 14000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 12000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 10000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 9000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 8000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 7000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 5000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 4500	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 4000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 3500	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 3000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 2500	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 2000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 1800	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 1500	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 1200	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 1000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 900	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 800	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 700	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 600	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 500	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 400	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 300	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 200	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 100	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 0	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN/MET SMOS

CLIMATE BUREAU  
STATION  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION NAME

STATION NAME

STATION NAME

STATION NAME

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET SMO5



U. S. AIR FORCE  
 1. AL CLIMATOLOGY BRANCH  
 2. METAS  
 3. JMWAVE WEATHER SERVICE DETACHMENT, APO FUELO, NC

# CEILING VERSUS VISIBILITY

STATION  
 11 3

WILKES AFB, TX

74- 1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6-17  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
≥ 20000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 18000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 16000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 14000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 12000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 10000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 9000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 8000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 7000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 6000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 5000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 4500	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 4000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 3500	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 3000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 2500	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 2000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 1800	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 1500	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 1200	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 1000	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 900	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 800	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 700	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 600	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 500	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 400	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 300	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 200	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 100	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7
IV 0	97.7	95.9	95.9	95.9	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7	95.5	95.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH

WAFETAC

WAFWAE WEATHER SERVICE ATTACHMENT A (OPTIONAL)

# CEILING VERSUS VISIBILITY

STATION

WICKLIFFE, OH

STATION NAME

74-5

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	67.9	68.6	68.7	68.6	68.9	68.9	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 20000	67.9	68.6	68.7	68.6	68.9	68.9	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 18000	67.4	68.7	68.5	68.5	68.9	68.9	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 16000	67.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	64.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 4500	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4000	91.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3500	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 3000	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2000	95.7	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	95.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	96.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

1. AT 0000 HOURS  
 2. AT 0600 HOURS  
 3. AT 1200 HOURS  
 4. AT 1800 HOURS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 10000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 9000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 8000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 7000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 6000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 5000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4500	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 3500	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 3000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 2500	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 2000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 1800	95.7	97.3	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1600	96.2	96.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1400	96.2	96.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	96.2	96.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.2	96.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	17.7	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 20000	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
18000	11.5	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
16000	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
14000	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12000	14.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
10000	15.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
9000	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
8000	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
7000	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
6000	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
5000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
4500	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
4000	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
3500	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
3000	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2500	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2000	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
1800	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
1500	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
1200	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
1000	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
900	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
800	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
700	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
600	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
500	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
400	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
300	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
200	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
100	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5

TOTAL NUMBER OF OBSERVATIONS 244

DIPNAVJCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH  
 OFFICE  
 AIR FORCE WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: NICKAN AFB, NC YEARS: 74-63 MONTH: FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
18000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
16000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
14000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
12000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
10000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
8000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
7000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
6000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
5000	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
4500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
4000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
3500	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
3000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
900	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
700	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
600	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
400	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
300	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
100	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

LOCAL CLIMATE BY MONTH

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	5.7	17.3	53.2	59.3	55.5	54.0	50.5	49.2	45.5	49.5	48.5	44.5	44.5	40.5	36.5	54.2
≥ 70000	5.7	13.5	57.2	63.2	62.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 16000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 10000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 9000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 8000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 6000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 5000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 4500	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 4000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 3500	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 3000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 2500	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 2000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 1800	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 1600	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 1400	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 1200	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 1000	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 900	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 800	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 700	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 600	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 500	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 400	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 300	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 200	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 100	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 0	5.7	13.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2

TOTAL NUMBER OF OBSERVATIONS 144

DIRNAVOCEANMET SMOS

U.S. AIR FORCE WEATHER SERVICE  
ATTACHMENT A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

# CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

74-47

YEARS

FL  
MOUNT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FL  
MOUNT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	52.3	56.2	58.2	59.2	60.2	61.2	62.3	63.3	64.3	65.3	66.3	67.3	68.3	69.3	70.3	71.3
≥ 20000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
18000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
16000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
14000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
12000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
10000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
9000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
8000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
7000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
6000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
5000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
4500	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
4000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
3500	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
3000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2500	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1800	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1500	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1200	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
900	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
800	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
700	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
600	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
500	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
400	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
300	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
200	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
100	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3

TOTAL NUMBER OF OBSERVATIONS 44

DIPNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH

REPORT

WALLA WALLA AIRPORT METEOROLOGICAL DETACHMENT

# CEILING VERSUS VISIBILITY

STATION  
WALLA WALLA

STATION NAME  
WALLA WALLA

STATION NAME

14-17

YEARS

28°  
NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF  
OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 20000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 12000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 10000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 9000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 8000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 7000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 6000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 5000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 4500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 4000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 3500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 3000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 2500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 2000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1800	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1600	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1400	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1200	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 900	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 800	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 700	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 600	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 400	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 300	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 200	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 100	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



U.S. AIR FORCE AIRCRAFT ENGINEERING CENTER  
 WRIGHT-PATTERSON AIRFIELD  
 DAYTON, OHIO 45433-6151

# CEILING VERSUS VISIBILITY

STATION: HICKS AFB, HI

74-63

FF  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1974-1975  
 HOURS: 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 12000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 8000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 7000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4500	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 3500	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 3000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 2500	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 2000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1800	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1500	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1200	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 1000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 900	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 800	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 700	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 600	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 500	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 400	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 300	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 200	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 100	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7

TOTAL NUMBER OF OBSERVATIONS: 51

DIRNAVOCEANMET SMOS

FLIGHT CLIMATOLOGY BRANCH  
 3000 TAC  
 2000 WEATHER SERVICE DETACHMENT, ANNEVILLE, NC  
 2000 WEATHER SERVICE DETACHMENT

# CEILING VERSUS VISIBILITY

STATION NAME  
 11-22  
 NICKAY AFB HI

74-23

FEET  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11-22-17

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	51.6	52.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
18000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
16000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
14000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
12000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
10000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
9000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
8000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
7000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
6000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
5000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
4500	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
4000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
3500	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
3000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
2500	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
2000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
1800	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
1500	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
1200	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
1000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
900	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
800	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
700	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
600	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
500	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
400	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
300	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
200	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
100	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2

TOTAL NUMBER OF OBSERVATIONS 11-22-17

DIRNAVOCEANMET SMOS

LOCAL METEOROLOGICAL BRANCH  
OFFICE  
AT THE WEATHER SERVICE DETACHMENT, ARLV, 1111

# CEILING VERSUS VISIBILITY

STATION NAME  
HICKMAN AFB, NE

74-53

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
18000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
16000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
14000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
12000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
10000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
9000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
8000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
7000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
6000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
5000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
4500	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
4000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
3500	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
3000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2500	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
1800	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
1500	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
1200	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
1000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
900	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
800	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
700	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
600	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
500	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
400	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
300	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
200	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
100	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6

TOTAL NUMBER OF OBSERVATIONS 537

DIRNAVOCEANMET SMOS

LOCAL METEOROLOGICAL BRANCH

DATE: 1964-10-10

STATION: 15000 FT. MOUNTAIN

# CEILING VERSUS VISIBILITY

STATION

HIGHWAY 100

STATION NAME

1964-10-10

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10-10-64  
NO. OF

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 6000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 2500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 2000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1800	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1200	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 900	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 800	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 700	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 600	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 400	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 300	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 200	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 100	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2

TOTAL NUMBER OF OBSERVATIONS

4

DIRNAVOCEANMET SMOS

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WAFB  
 U.S. AIR FORCE WEATHER SERVICE DETACHMENT, WAFB

# CEILING VERSUS VISIBILITY

STATION 11020 WICKAY AF HT STATION NAME 74-30 YEARS MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	57.7	56.3	54.0	58.2	54.0	56.2	54.7	56.7	51.0	51.0	50.0	53.2	45.0	41.0	41.0	41.0
≥ 20000	67.6	63.6	63.6	63.0	63.6	62.0	67.7	63.7	63.7	63.7	63.7	67.7	63.7	63.7	63.7	63.7
18000	67.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	67.7	63.7	63.7	63.7	63.7
16000	63.8	63.6	63.2	63.2	63.8	63.6	63.8	63.8	63.8	63.4	62.0	67.7	63.7	63.7	63.7	63.7
14000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
12000	66.3	65.3	65.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
10000	67.7	67.3	67.8	67.6	67.8	67.8	67.9	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
9000	69.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
8000	67.6	65.6	68.6	68.6	67.6	69.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
7000	64.9	66.8	62.8	68.8	61.8	62.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
6000	67.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
5000	77.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
4500	87.7	87.8	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
4000	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
3500	97.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
3000	97.4	93.1	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2500	97.5	95.7	96.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2000	97.7	96.4	96.5	96.7	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
1800	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1500	98.7	99.2	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1200	98.7	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	98.4	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 6760

CLIMATE CLIMATOLOGY BRANCH

OFFICE

UNITED STATES WEATHER SERVICE DETACHMENT, ALBUQUERQUE, N.M.

# CEILING VERSUS VISIBILITY

13720

WICKA AIR MD

74-5

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

OF  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 20000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 14000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 12000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 7000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 6000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 5000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4500	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 3000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 2500	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 1800	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 1500	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 1200	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 1000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 900	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 800	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 700	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 600	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 500	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 400	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 300	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 200	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 100	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

LOCAL METEOROLOGY STATION  
 NAME  
 ADDRESS

# CEILING VERSUS VISIBILITY

STATION NAME HICKAM FIELD

74-53

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	55.7	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	55.7	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 18000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 16000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 12000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 10000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 9000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 8000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 7000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 6000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 5000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 4500	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 4000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 3500	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 3000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 2500	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 2000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1800	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1500	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1200	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 900	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 800	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 700	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 600	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 500	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 400	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 300	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 200	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 100	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVJCEANMET SMOS

1. METEOROLOGICAL STATION

2. NAME OF STATION

# CEILING VERSUS VISIBILITY

3. LOCATION OF STATION

4. DATE

5. TIME

6. STATION NAME

7. YEARS

8. MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	63.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	63.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
18000	63.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
16000	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
14000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
12000	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
10000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
9000	66.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
8000	66.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
7000	67.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
6000	67.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
5000	68.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
4500	68.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
4000	69.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
3500	69.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
3000	70.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2500	70.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2000	71.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
1800	71.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
1500	72.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
1200	72.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
1000	73.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
900	73.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
800	74.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
700	74.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
600	75.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
500	75.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
400	76.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
300	76.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
200	77.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
100	77.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
0	78.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



1. CLIMATE LOGS BY STATION  
 2. APPENDIX  
 3. METEOROLOGICAL SERVICE (TACHON, ARREST, NO)

# CEILING VERSUS VISIBILITY

STATION HIGHWAY 51

74-51

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	50.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
≥ 20000	6.0	61.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
IV 18000	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
IV 16000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 10000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 9000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 8000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 7000	51.0	50.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 6000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 5000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4500	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

U.S. NAVY  
NAVAL WEATHER SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME: \_\_\_\_\_ YEAR: \_\_\_\_\_ MONTH: \_\_\_\_\_  
 STATION: \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	1.7	2.8	12.5	12.1	2.7	51.1	11.7	62.5	12.1	12.5	1.1	1.1	1.1	1.1	1.1
≥ 20000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
18000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
16000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
14000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
12000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
10000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
9000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
8000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
7000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
6000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
5000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
4500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
4000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
3500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
3000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
2500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
2000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1800	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1200	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
900	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
800	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
700	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
600	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
400	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
300	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
200	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
100	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1

TOTAL NUMBER OF OBSERVATIONS

LOCAL CLIMATOLOGY BRANCH  
 REPORT NO. 74-63  
 DATE OF WEATHER SERVICE DETACHMENT ATTACHMENT NO.

# CEILING VERSUS VISIBILITY

STATION WILKAM AFB TX STATION NAME 74-63 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	45.2	49.2	45.2	49.2	45.2	49.2	45.2	49.2	45.2	49.2	45.2	49.2	45.2	49.2	45.2	49.2
≥ 20000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 18000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 16000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 14000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 12000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 10000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 9000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 8000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 7000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 6000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 5000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 4500	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 4000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 3500	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 3000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 2500	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 2000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 1800	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 1500	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 1200	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 1000	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 900	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 800	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 700	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 600	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 500	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 400	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 300	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 200	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 100	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1
≥ 0	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1	45.1	49.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

U. S. AIR FORCE CLIMATE DIVISION

STATION NAME: MICHAEL AFB TX

# CEILING VERSUS VISIBILITY

STATION

MICHAEL AFB TX

STATION NAME

74-85

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

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# CEILING VERSUS VISIBILITY

STATION NAME: WILKINSON FIELD STATION NUMBER: 74-001 YEARS: 1951 MONTH: 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	54.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
18000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
16000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
14000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
12000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
10000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
9000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
8000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
7000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
6000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
5000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4500	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
3500	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
3000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2500	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
1800	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
1500	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
1200	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
1000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
900	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
800	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
700	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
600	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
500	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
400	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
300	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
200	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
100	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
0	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9

TOTAL NUMBER OF OBSERVATIONS: 744

DIRNAVOCEANMET SMOS

CLIMATE DIVISION BRANCH  
 WAFB  
 NATIONAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC  
 METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

STATION  
 41-27

WICKHAM AFB, NC

STATION NAME

74-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING	40.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 18000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 12000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 10000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 9000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 8000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 7000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 6000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 5000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 4500	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 4000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 3500	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 3000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 2500	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 2000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 1800	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 1500	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 1200	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 1000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 900	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 800	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 700	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 600	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 500	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 400	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 300	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 200	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 100	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 0	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

GLOBAL CLIMATEOLOGY SEARCH

USAF/AFM

NAVAL WEATHER SERVICE DETACHMENT AMBLESIDE NC

AT 157740 157740 157740

# CEILING VERSUS VISIBILITY

STATION  
157740

STATION NAME  
HICKAM AFB HI

14-50

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-01-01  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 8000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 6000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 5000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4500	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3500	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 2500	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 2000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1800	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1500	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1200	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 900	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 800	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 700	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 600	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 500	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 400	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 300	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 200	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 100	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFWAL WEATHER SERVICE DETACHMENT, ANNEVILLE, MD  
AFWAL WEATHER SERVICE/AFAL

# CEILING VERSUS VISIBILITY

STATION 11520 HICKAM AFB HI STATION NAME 74-83 YEARS AF MONTH 12-1967 HOURS 151

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 18000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 16000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 14000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 12000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 10000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 9000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 8000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 7000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 6000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 5000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 3500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 3000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 222

DIRNAVOCEANMET SMOS

APR 23 1964

## CEILING VERSUS VISIBILITY

MONY

1000

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

FEDERAL AVIATION ADMINISTRATION  
 WASHINGTON, D.C. 20515  
 WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE APT: 4 YEARS: 74-87 MONTH: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0.1	≥ 0
NO CEILING	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1800	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1200	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 900	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 800	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 700	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 600	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 400	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 300	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 200	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 100	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1

TOTAL NUMBER OF OBSERVATIONS: 500

DIRNAVOCEANMET SMOS

GENERAL METEOROLOGY - WANCH  
 WAFETAC  
 AIRCRAFT WEATHER SERVICE DETACHMENT, ACHILLEVILLE, NO

# CEILING VERSUS VISIBILITY

STATION 11-27 HICKAM AFB HI

74-8

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1957-1958  
 MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 18000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 16000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 12000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 10000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 5000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 3500	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1200	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 900	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 800	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 700	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 600	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 400	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 300	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 200	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 100	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY ARCH  
 1952-1953  
 AIR FORCE WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME  
 ASHEVILLE, NC

74-61

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 14000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 12000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 9000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 8000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 7000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 6000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 5000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 4500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 4000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 3500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 3000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 2500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 2000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1800	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1200	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 1000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 900	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 800	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 700	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 600	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 400	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 300	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 200	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 100	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5MOS

U.S. AIR FORCE  
 14-00000  
 14-00000

# CEILING VERSUS VISIBILITY

STATION NAME: 74-53 YEARS: MONTH: HOURS:

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 18000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 16000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 14000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 12000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 10000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 9000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 8000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 6000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 5000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4500	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 3500	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 3000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 2500	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 2000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1800	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1500	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1200	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1000	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 900	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 800	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 700	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 600	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 500	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 400	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 300	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 200	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 100	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 0	52.7	52.0	52.4	52.0	52.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

JOURNAL OF METEOROLOGY  
 VOLUME 10  
 NUMBER 1  
 JANUARY 1971

# CEILING VERSUS VISIBILITY

STATION HICKAM AFB HI

74-82

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1800	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1200	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 900	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 800	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 700	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 600	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 400	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 300	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 200	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 100	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAUCEANMET SMOS

1. LOCAL CLIMATOLOGY - MONTH  
 2. DATE  
 3. NAME OF WEATHER SERVICE DETACHMENT AND LOCATION

# CEILING VERSUS VISIBILITY

STATION 74-13 STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 18000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 16000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 10000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 7000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 6000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 5000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 3500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 3000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 2500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 2000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1800	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1200	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 900	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 800	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 700	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 600	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 400	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 300	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 200	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 100	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4

TOTAL NUMBER OF OBSERVATIONS

NAVY/CEANMET SMS

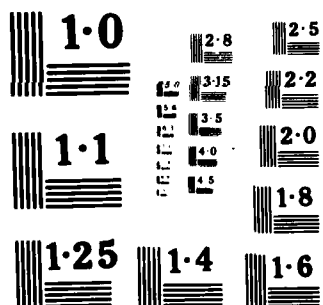


UNCLASSIFIED

HICKAM AFB HAWAII REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 85  
USAFETAC/DS-85/014 F/O 4/2

NL

A full-page view of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines forming small squares. The grid covers most of the page, leaving margins at the top, bottom, and sides. There are no markings or text on the grid itself.



CLIMATE CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION HICKAM AFB HI

74-63

YAY

STATION

STATION NAME

YEARS

MONT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 18000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 16000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 14000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 10000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 9000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 8000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 7000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 6000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 5000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4500	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 4000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 3500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 3000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 942

DIRNAVOCEANMET SMOS

LIFAL CLIMATOLOGY BRANCH  
 SAFETY  
 WEATHER SERVICE DETACHMENT, ASHEVILLE, NC  
 FAXAL SERVICE

# CEILING VERSUS VISIBILITY

STATION HICKAM AFB HI

74-33

MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1974-05-01  
 HOURS 1-5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1	≥ 0
NO CEILING	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 18000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 16000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 14000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 12000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 9000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 8000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 6000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 5000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 3500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

57

DIRNAVOCEANMET SMOS

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

131527 HICKAM AFB HI

74-33

MAY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-11  
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 7000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 6000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 4500	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 4000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 3500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 3000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH

CLAFETAC

AFS WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

AFS WEATHER SERVICE, MAC

# CEILING VERSUS VISIBILITY

STATION  
111-20

HICKAM AFB HI

STATION NAME

74-85

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11-14  
HOURS, LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1	≥ 0
NO CEILING	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 16000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 8000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 7000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 6000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 4000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 3000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

92

DIRNAVOCEANMET SMOS

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: HICKAM AFB HI STATION NAME: 74-31 YEARS: MAY MONTH: 0-1700 HOURS: 15.1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 1/8
NO CEILING	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
18000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
16000	51.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
14000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
12000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
10000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
9000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
8000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
7000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
6000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
5000	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4500	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
4000	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
3500	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
3000	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2500	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2000	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1800	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1500	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1200	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 22

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 NAVAL WEATHER SERVICE DETACHMENT AND FIELD NO.  
 NAVAL WEATHER SERVICE/NAU

# CEILING VERSUS VISIBILITY

STATION 11120 HICKAM AFB HI

75-25

YEARS

DAY  
 MONTH  
 YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-10	≥ ¼	≥ 0
NO CEILING	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 20000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 8000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 7000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 5000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 3500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 3000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 2500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 2000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1800	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1200	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 900	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 800	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 700	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 600	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 400	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 300	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 200	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 100	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



CENTRAL CLIMATOLOGY BRANCH  
 CLIMATE  
 NATIONAL WEATHER SERVICE DETACHMENT, ALEXANDRIA, EGYPT

# CEILING VERSUS VISIBILITY

STATION HIGHWAY AFB HI 74-10 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128
NO CEILING	57.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	56.2	56.3	56.6	56.5	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
18000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
16000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
14000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
12000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
10000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
9000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
8000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
7000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
6000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
5000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
4500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
4000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
3500	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
3000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
2500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATOLOGY BRANCH  
 WAFB  
 AIR FORCE WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION HICKAM AFB HI

STATION NAME

14-55

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 18000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4500	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 3500	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 3000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 2500	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 2000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 1800	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 1500	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 1200	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 1000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 900	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 800	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 700	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 600	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 500	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 400	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 300	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 200	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 100	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 0	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8

TOTAL NUMBER OF OBSERVATIONS 744

ORVAVCEANMET 5405

JOINT CLIMATE BRANCH  
USAFETAC  
NATIONAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

1122  
STATION

HICKAM AFB HI  
STATION NAME

74-67  
YEARS

30  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	52.7	16.7	50.1	50.0	54.7	56.0	50.7	50.3	51.0	50.0	54.3	51.1	51.0	56.0	51.0	50.1
≥ 20000	63.6	3.6	63.6	63.6	67.4	63.6	67.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 9000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 7000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 6000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 4000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 3000	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2500	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

U.S. NAVAL CLIMATOLOGY BRANCH

U.S. NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME NICKAM AFB NC

74-23

93 NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 18000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 16000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 14000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 12000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 10000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 9000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 8000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 7000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 6000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 5000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 4500	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 4000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 3500	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 3000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 2500	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 2000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 1800	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 1500	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 1200	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 1000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 900	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 800	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 700	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 600	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 500	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 400	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 300	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 200	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 100	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 0	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATE BUREAU  
METEOROLOGICAL  
OFFICE

# CEILING VERSUS VISIBILITY

1920 HICKAM AFB

74-01

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TABLE 1-1

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	54.2	54.7	54.8	54.2	54.7	54.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	54.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 18000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 14000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 12000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 9000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 7000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 900	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 700	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 600	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 400	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 300	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 100	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
≥ 20000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 18000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 16000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 14000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 12000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 10000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 9000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 8000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 7000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 6000	53.5	73.5	75.7	75.3	75.7	75.5	75.3	75.3	75.1	75.8	75.4	75.4	75.4	75.4	75.4
IV 5000	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4500	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4000	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3000	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2500	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2000	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1800	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1500	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1200	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1000	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 900	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 800	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 700	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 600	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 500	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 400	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 300	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 200	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 100	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 0	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

TOTAL NUMBER OF OBSERVATIONS

DITHAVOCEANMET SMOS

CENTRAL METEOROLOGY BANCH  
 00155TAS  
 METEOROLOGICAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC  
 METEOROLOGICAL SERVICE, NC

# CEILING VERSUS VISIBILITY

STATION 112 HICKAM AFB, HI

74-5

STATION NAME NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1954-55  
 MONTHLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 20000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 18000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 16000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 14000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 12000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 10000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 9000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 8000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 7000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 6000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 5000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 4500	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 4000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 3500	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 3000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 2500	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 2000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1800	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1500	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1200	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 900	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 800	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 700	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 600	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 500	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 400	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 300	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 200	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 100	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVUCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH

STATION

WATER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WICKMAN AFB, MS

STATION NAME

74-67

YEARS

MONTH

1962-1967  
HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	45.7	59.3	42.3	49.3	47.7	49.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 10000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 9000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 8000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 4000	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3500	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3000	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2500	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



LOCAL METEOROLOGICAL STATION  
 OFFICE  
 CENTRAL WEATHER SERVICE DETACHMENT, ANNEVILLE, MD

# CEILING VERSUS VISIBILITY

STATION HICKAM AFB HI

74-53

June

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-1971  
 HOURS - 167

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 18000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 12000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 10000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 8000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 7000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH

NAVY WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 111007 HICKAM AFB HI

74-83

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-12-2010  
HOURS 1-12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
18000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
16000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
14000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
12000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
10000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
9000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
8000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
7000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
6000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
5000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
4500	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
4000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
3500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
3000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAD  
 AIR FORCE WEATHER SERVICE DETACHMENT, ASHEVILLE, NC  
 DATA EXTENSION SERVICE UNIT

# CEILING VERSUS VISIBILITY

1920 HICKAM AFB HI

74-83

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

311  
HOURS C.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
18000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
16000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
12000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
9000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
8000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
7000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
6000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
5000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
4500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
4000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
3500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
3000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
2500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
2000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
1800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
1500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
1200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
1000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
900	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
700	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
600	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
400	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
300	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
100	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS 72

DIRNAVOCEANMET SMOS

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIRCRAFT WEATHER SERVICE DETACHMENT, ASHVILLE, NC  
 AIRCRAFT WEATHER SERVICE

# CEILING VERSUS VISIBILITY

STATION  
 11-00

STATION NAME  
 HICKAM AFB HI

74-83

YEARS

MONTH  
 JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY  
 0-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 10000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 4000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 3500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 3000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH  
 WAFETAC  
 AT- WAFETAC WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 11420 HICKAM AFB HI STATION NAME 74-03 YEARS MONTH HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	59.0	56.0	52.0	53.0	51.0	58.0	59.0	58.0	58.0	59.0	56.0	53.0	50.0	50.0	50.0	50.0
≥ 20000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 14000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 12000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 10000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 9000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 8000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 6000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 3500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 3000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

74-2

فصل

MOORE, J. W., and J. W. MOORE. 1979. The

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH  
 U.S. AIR FORCE  
 NATL WEATHER SERVICE DETACHMENT, AGHISTE, NC

# CEILING VERSUS VISIBILITY

STATION: HICKAM AFB HI STATION NAME: 74-5 YEARS: 1952-1953 MONTH: NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 18000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 16000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 14000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 12000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 10000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 9000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 8000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 7000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 6000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 5000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 4500	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 4000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 3500	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 3000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 2500	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 2000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 1800	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 1500	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 1200	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 1000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 900	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 800	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 700	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 600	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 500	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 400	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 300	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 200	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 100	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY STATION

NAVY WEATHER SERVICE DETACHMENT, ASHVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

74-23

YEARS

MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
18000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
16000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
14000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
12000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
10000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
9000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
8000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
7000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
6000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
5000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
4500	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
4000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
3500	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
3000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
2500	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
2000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
1800	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
1500	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
1200	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
1000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
900	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
800	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
700	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
600	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
500	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
400	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
300	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
200	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
100	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
0	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



U.S. NAVAL CLIMATE CENTER  
 5000 JOHNS HWY  
 FORT MONROE, VA 23606

# CEILING VERSUS VISIBILITY

STATION NAME  
 HICKAM AFB HI

78-0

YEAR  
 1978

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	67.5	7.5	67.5	57.5	67.5	57.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 20000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 18000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 16000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 12000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 9000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 3000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

UNITED STATES AIR FORCE

ANALYTICAL WEATHER SERVICE DETACHMENT ANDHROU, ALASKA

# CEILING VERSUS VISIBILITY

STATION NAME: STICKA, AK 74-21 YEARS: 1950 MONTH: 1950

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 18000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 12000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 10000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 9000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 8000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 7000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 6000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 5000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 4500	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 4000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 3500	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 3000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 2500	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 2000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY SECTION

REPORT

UNITED STATES WEATHER SERVICE DETACHMENT, APO FPO, SAN FRANCISCO, CALIF.

# CEILING VERSUS VISIBILITY

STATION: 11121 NAME: HECKARD FPO YEARS: 1945-50 MONTH: 01  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS: 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
18000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
16000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
14000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
12000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
10000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
9000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
8000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
7000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
6000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
5000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
4500	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
4000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
3500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 151

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY PLANO

WEATHER SERVICE OUTSTATION

# CEILING VERSUS VISIBILITY

STATION NAME: HICKAM AFB HI STATION NUMBER: 74-60 YEARS: MONTH: ALL YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
≥ 20000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 18000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 16000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 14000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 12000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 10000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 9000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 8000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 7000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 6000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 5000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 4500	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 4000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 3500	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 3000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 2500	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 2000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 1800	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 1500	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 1200	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 1000	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 900	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 800	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 700	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 600	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 500	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 400	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 300	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 200	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 100	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4
IV 0	5.2	12.4	51.4	58.4	1.4	51.4	58.4	58.4	1.4	51.4	1.4	5.4	51.4	1.4	1.4	1.4

TOTAL NUMBER OF OBSERVATIONS 745

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH  
 WAFB TAC  
 AIR FORCE WEATHER SERVICE DETACHMENT, ABERDEEN, NC

# CEILING VERSUS VISIBILITY

STATION HICKAY AFB NC

74-22

YEARS

400  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 18000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 16000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 12000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 10000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 9000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 8000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 7000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 6000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 5000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 4500	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 4000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 3500	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 3000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 2500	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 2000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 1800	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 1500	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 1200	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 1000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 900	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 800	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 700	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 600	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 500	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 400	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 300	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 200	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 100	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NATIONAL CLIMATOLOGY BRANCH  
 OFFICE  
 NATIONAL WEATHER SERVICE DETACHMENT ASHEVILLE NC  
 111100

# CEILING VERSUS VISIBILITY

STATION 111100 NICKAY AFB MI

74-81

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	67.2	63.4	63.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 20000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 18000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 16000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 12000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 7000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 6000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 3500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 93

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH  
 CGAFETAC  
 1710 WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 611420 HICKAM AFB HI

74-83

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS CEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING	52.7	52.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	59.2	59.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 18000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 16000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 14000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 12000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 10000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 9000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 8000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 7000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 5000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 4500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 4000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 3500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 3000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 2500	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH

WAFETAC

NAVY WEATHER SERVICE DETACHMENT, ASHKEWEE, NC

# CEILING VERSUS VISIBILITY

STATION  
011420

STATION NAME  
WICKHAM AFB HI

74-80

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MO-1112  
HOURS 1-11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	59.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
18000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
16000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
12000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
9000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
8000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
7000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
6000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
5000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
4500	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
4000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
3500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
3000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NATIONAL CLIMATOLOGY BRANCH

USAFETAC

AF WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
711.20

HICKAM AFB HI

STATION NAME

74-87

YEARS

AC  
BORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	59.7	59.1	59.2	59.0	59.0	59.4	59.7	59.0	59.0	59.0	59.4	59.0	59.0	59.0	59.0	59.0
≥ 20000	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 16000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 12000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 10000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 6000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 4000	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3500	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 3000	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2500	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

UNITAL CLIMATOLOGY BRANCH  
OFFICE  
NATL WEATHER SERVICE DETACHMENT ANDERSON, SC

# CEILING VERSUS VISIBILITY

STATION: NICKLA AFB, TX STATION NAME: 74-25 YEARS: 1950 MONTH: 12

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
18000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
16000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
14000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
12000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
8000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
7000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
6000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
5000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
4500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
4000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
3500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
3000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
900	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
700	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
600	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
400	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
300	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
100	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET SMOS

LOCAL METEOROLOGY BRANCH  
 AFATAC  
 AIR FORCE WEATHER SERVICE DETACHMENT, ASHEVILLE, NC  
 AIR FORCE WEATHER SERVICE DETACHMENT

# CEILING VERSUS VISIBILITY

STATION: NICKAY AFB, NC

74-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	60.5	62.5	62.5	62.5	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 20000	60.5	62.5	62.5	62.5	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 18000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 10000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 9000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 7000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 5000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 4000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 3500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 3000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

FEDERAL CLIMATOLOGY BRANCH

STATION

NATIONAL WEATHER SERVICE DETACHMENT WHEATON

WEATHER SERVICE DETACHMENT WHEATON

# CEILING VERSUS VISIBILITY

STATION

HICKAM AFB HI

STATION NAME

74-64

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 900	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 700	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 600	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 400	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 300	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 100	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

GLOBAL CLIMATELOGY MATCH  
 STATION NAME  
 STATION WEATHER SERVICE DETACHMENT A REVIEW NO.

# CEILING VERSUS VISIBILITY

STATION  
 STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 24

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH

NAVY WEATHER SERVICE DETACHMENT, ANNE ARUNDEL

# CEILING VERSUS VISIBILITY

STATION NAME HICKAM AFB HI

74-37

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING	75.6	75.6	77.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 20000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 16000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 14000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 12000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 10000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 6000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 100	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJCEANMET SMOS

CLIMATE DIVISION  
 OFFICE OF THE  
 NATIONAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME  
 HICKORY

74-07

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
18000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
16000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
14000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
12000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
10000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
9000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
8000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
7000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
6000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
5000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
4500	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
4000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
3500	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
3000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
2500	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
2000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1800	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1500	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1200	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
900	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
800	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
700	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
600	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
500	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
400	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
300	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
200	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
100	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
0	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCANMET SMOS

METEOROLOGICAL STATION  
 NAME  
 LOCATION

# CEILING VERSUS VISIBILITY

STATION NAME: \_\_\_\_\_ YEAR: \_\_\_\_\_ MONTH: \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 20000	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
18000	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
16000	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
14000	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
12000	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
10000	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
9000	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
8000	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
7000	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
6000	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
5000	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
4500	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
4000	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
3500	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
3000	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2500	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2000	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
1800	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
1500	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
1200	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1000	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
900	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
800	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
700	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
600	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
500	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
400	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
300	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
200	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
100	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
0	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS



U.S. AIR FORCE  
 WEATHER SERVICE  
 DETACHMENT A, RECONNOISSANCE

# CEILING VERSUS VISIBILITY

STATION NAME  
 HICKAM AFB, HI

YEARS  
 74-75

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
≥ 20000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 18000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 16000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 14000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 12000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 10000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 9000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 8000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 7000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 6000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 5000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 4500	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 4000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 3500	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 3000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 2500	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 2000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 1800	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 1500	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 1200	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 1000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 900	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 800	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 700	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 600	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 500	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 400	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 300	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 200	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 100	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 0	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 900	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 700	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 600	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 400	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 300	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 100	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET 5MOS

GENERAL CLIMATOLOGY MONTH  
 REPORT  
 METEOROLOGICAL SERVICE ATTACHMENT, ALEXANDRIA, NO

# CEILING VERSUS VISIBILITY

STATION  
 NAME

STATION NAME

YEAR

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 900	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 700	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 600	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 400	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 300	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 100	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

RECEIVED CLIMATOLOGY SECTION  
 17 NOV 64  
 17 NOV 64 WEATHER SERVICE DETACHMENT WHEELER

# CEILING VERSUS VISIBILITY

STATION NAME: WACKA AFB, ALA. STATION NUMBER: 74-37 YEARS: 1964 MONTH: 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 20000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 18000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 16000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 14000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 10000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 9000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4500	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 2500	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 2000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 1800	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 1500	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1200	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 1000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 900	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 800	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 700	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 500	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 400	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 300	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 200	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 100	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVUCEANMET SMOS

U. S. AIR FORCE WEATHER SERVICE

ATTACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME  
WICKHAM AFB

74-65

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-00  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH

NAVY WEATHER SERVICE DETACHMENT WHEELER

# CEILING VERSUS VISIBILITY

STATION 11001 HICKAM AFB HI

74-67

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ 1	≥ ½	≥ ¼	≥ ¼	≥ ¼	≥ 5/16	≥ 0
NO CEILING	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS 747

DIRNAVOCEANMET SMOS

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 USAF TAC  
 AIR FORCE WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: HICKORY AFB, NC

74-60

YEARS

MONTH

HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 20000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
18000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
16000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
14000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
12000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
10000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
9000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
8000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
7000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
6000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
5000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
4500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
4000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
3500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
3000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
1800	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
1500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
1200	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
1000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
900	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
800	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
700	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
600	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
400	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
300	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
200	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
100	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

U.S. AIR FORCE CLIMATOLOGY BRANCH  
OFFICE  
U.S. AIR FORCE WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME  
HICKORY AFB, NC

74-53

YEARS

1967  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1967  
MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 18000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 16000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 9000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 8000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 7000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 6000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 3500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 3000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 2500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 2000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 1800	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 1500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 1200	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 1000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 900	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 800	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 700	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 600	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 400	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 300	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 200	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 100	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0

TOTAL NUMBER OF OBSERVATIONS 500

DIRNAVOCEANMET SMOS



CLIMATE CLIMATOLOGY BRANCH  
 STASSTAC  
 AIR WEATHER SERVICE DETACHMENT AFBWILCOX

# CEILING VERSUS VISIBILITY

STATION HICKAM AFB HI

74-67

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	87.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 20000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 16000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 14000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 12000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 8000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1800	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 900	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 800	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 700	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 600	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 400	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 300	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 200	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 100	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

GLOBAL CLIMATOLOGY BRANCH  
OFFICE  
NATIONAL WEATHER SERVICE DETACHMENT ACHIEVE, NC  
NATIONAL SERVICE, 74AC

# CEILING VERSUS VISIBILITY

STATION NAME  
STATION

74-27

YEARS

1957  
NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	55.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	55.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 18000	55.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 16000	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 14000	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 12000	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 10000	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 5000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4500	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3500	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 2500	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 2000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1800	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1500	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1200	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 900	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 800	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 700	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 600	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 500	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 400	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 300	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 200	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 100	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 0	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH  
 1504 FTAC  
 4700 CENTRAL AVENUE WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 111900 HICKORY SPRING STATION NAME 74-5 YEARS 1961 MONTH 1-14 HOURS 1-1

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
18000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
16000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
14000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
12000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
10000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
9000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
8000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
7000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
6000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
5000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
4500	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
4000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
3500	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
3000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2500	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
1800	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
1500	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
1200	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
1000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
900	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
800	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
700	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
600	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
500	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
400	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
300	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
200	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
100	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-4

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-17  
HOURS

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |       |        |        |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0  |
| NO CEILING      | 91.1                       | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1  | 91.1   | 91.1   | 91.1 |
| ≥ 20000         | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 18000         | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 16000         | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 14000         | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 12000         | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 10000         | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 9000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 8000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 7000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 6000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 5000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 4500          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 4000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 3500          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 3000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 2500          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 2000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 1800          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 1500          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 1200          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 1000          | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 900           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 800           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 700           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 600           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 500           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 400           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 300           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 200           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 100           | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |
| ≥ 0             | 94.1                       | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1   | 94.1   | 94.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH  
 OFFICE  
 AIR FORCE WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION WICKHAM AFB HI

74-95

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 0  | ≥ 0  |
| NO CEILING        | 57.6                       | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6  | 57.6 | 57.6 |
| ≥ 20000           | 68.2                       | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2 |
| IV 18000          | 68.2                       | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2 |
| IV 16000          | 68.2                       | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2 |
| IV 14000          | 68.2                       | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2 |
| IV 12000          | 71.0                       | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0  | 71.0 | 71.0 |
| IV 10000          | 72.8                       | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8  | 72.8 | 72.8 |
| IV 9000           | 73.5                       | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5 |
| IV 8000           | 74.3                       | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3 | 74.3 |
| IV 7000           | 74.3                       | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3 | 74.3 |
| IV 6000           | 74.3                       | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3 | 74.3 |
| IV 5000           | 80.4                       | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4  | 80.4 | 80.4 |
| IV 4500           | 82.8                       | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8  | 82.8 | 82.8 |
| IV 4000           | 95.1                       | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1  | 95.1 | 95.1 |
| IV 3500           | 95.6                       | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6  | 95.6 | 95.6 |
| IV 3000           | 97.4                       | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4  | 97.4 | 97.4 |
| IV 2500           | 98.6                       | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6 |
| IV 2000           | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 1800           | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 1500           | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 1200           | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 1000           | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 900            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 800            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 700            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 600            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 500            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 400            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 300            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 200            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 100            | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 0              | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

GLOBAL CLIMATOLOGY - BASED  
ON  
1971-2000 AVERAGE DATA

# CEILING VERSUS VISIBILITY

STATION: 1122 NAME: ALBUQUERQUE YEAR: 1985 MONTH: 01  
STATION: 1122 NAME: ALBUQUERQUE YEAR: 1985 MONTH: 01  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |       |      |       |      |      |       |       |      |       |        |      |
|-------------------|----------------------------|------|------|------|------|-------|------|-------|------|------|-------|-------|------|-------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ 0  |
| NO CEILING        | 11.5                       | 11.5 | 11.5 | 11.5 | 11.5 | 11.5  | 11.5 | 11.5  | 11.5 | 11.5 | 11.5  | 11.5  | 11.5 | 11.5  | 11.5   | 11.5 |
| ≥ 20000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 18000          | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 16000          | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 14000          | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 12000          | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 10000          | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 9000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 8000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 7000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 6000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 5000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 4500           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 4000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 3500           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 3000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 2500           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 2000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 1800           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 1500           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 1200           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 1000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 900            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 800            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 700            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 600            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 500            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 400            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 300            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 200            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 100            | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 0              | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1 | 70.1  | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET SMOS

AL CLIMATE SERVICE  
 REPORT  
 METEOROLOGICAL SERVICE DETACHMENT, ALBUQUERQUE

# CEILING VERSUS VISIBILITY

STATION NAME: ALBUQUERQUE STATION NUMBER: 74-1 YEARS: MONTH: 1954

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |        |        |        |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|--------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 0  |
| NO CEILING      | 50.7                       | 74.1 | 55.0 | 49.1 | 45.0 | 35.7 | 15.3 | 19.1 | 10.2 | 5.9  | 3.0  | 1.7   | 0.8    | 0.4    | 0.2    | 0.1  |
| ≥ 20000         | 61.6                       | 88.3 | 65.4 | 55.4 | 41.2 | 30.7 | 17.9 | 20.7 | 10.0 | 5.3  | 2.5  | 1.3   | 0.6    | 0.3    | 0.1    | 0.0  |
| ≥ 18000         | 61.8                       | 88.9 | 67.7 | 57.3 | 44.7 | 34.1 | 18.7 | 21.0 | 10.2 | 5.5  | 2.6  | 1.3   | 0.6    | 0.3    | 0.1    | 0.0  |
| ≥ 16000         | 61.1                       | 89.2 | 68.2 | 58.2 | 45.2 | 34.2 | 18.2 | 20.2 | 10.2 | 5.5  | 2.6  | 1.3   | 0.6    | 0.3    | 0.1    | 0.0  |
| ≥ 14000         | 60.9                       | 89.6 | 69.6 | 59.6 | 46.6 | 34.6 | 18.6 | 20.6 | 10.6 | 5.6  | 2.6  | 1.3   | 0.6    | 0.3    | 0.1    | 0.0  |
| ≥ 12000         | 72.7                       | 72.1 | 71.2 | 72.2 | 71.2 | 72.2 | 70.2 | 72.2 | 70.2 | 72.2 | 72.2 | 71.2  | 72.2   | 71.2   | 72.2   | 72.2 |
| ≥ 10000         | 73.1                       | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2  | 73.2   | 73.2   | 73.2   | 73.2 |
| ≥ 9000          | 73.7                       | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  | 73.6   | 73.6   | 73.6   | 73.6 |
| ≥ 8000          | 74.2                       | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  | 74.2   | 74.2   | 74.2   | 74.2 |
| ≥ 7000          | 74.7                       | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3   | 74.3   | 74.3   | 74.3 |
| ≥ 6000          | 74.4                       | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5  | 74.5   | 74.5   | 74.5   | 74.5 |
| ≥ 5000          | 81.7                       | 80.8 | 80.7 | 80.8 | 81.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8  | 80.8   | 80.8   | 80.8   | 80.8 |
| ≥ 4500          | 83.6                       | 81.8 | 81.7 | 81.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8  | 83.8   | 83.8   | 83.8   | 83.8 |
| ≥ 4000          | 85.1                       | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5  | 85.5   | 85.5   | 85.5   | 85.5 |
| ≥ 3500          | 85.4                       | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  | 85.7   | 85.7   | 85.7   | 85.7 |
| ≥ 3000          | 85.1                       | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8  | 85.8   | 85.8   | 85.8   | 85.8 |
| ≥ 2500          | 87.0                       | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5  | 87.5   | 87.5   | 87.5   | 87.5 |
| ≥ 2000          | 88.6                       | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2  | 89.2   | 89.2   | 89.2   | 89.2 |
| ≥ 1800          | 88.8                       | 89.3 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5  | 89.5   | 89.5   | 89.5   | 89.5 |
| ≥ 1500          | 88.5                       | 89.4 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7  | 89.7   | 89.7   | 89.7   | 89.7 |
| ≥ 1200          | 89.3                       | 89.6 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 1000          | 89.5                       | 89.5 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 900           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 800           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 700           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 600           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 500           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 400           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 300           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 200           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 100           | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |
| ≥ 0             | 89.8                       | 89.5 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8   | 89.8   | 89.8   | 89.8 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

U.S. AIR FORCE  
 1. REPORT NO.  
 2. TITLE AND SUBTITLE

# CEILING VERSUS VISIBILITY

STATION NAME: ST. LOUIS, MO. STATION NUMBER: 74-21 YEARS: 1954 MONTH: 1954

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |     |     |     |     |      |     |      |     |     |     |     |       |        |        |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|--------|
|                   | ≥ 10                       | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 |
| NO CEILING        | 5.5                        | 1.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 20000           | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 18000           | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 16000           | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 14000           | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 12000           | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 10000           | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 9000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 8000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 7000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 6000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 5000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 4500            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 4000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 3500            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 3000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 2500            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 2000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 1800            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 1500            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 1200            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 1000            | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 900             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 800             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 700             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 600             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 500             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 400             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 300             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 200             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 100             | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |
| ≥ 0               | 0.5                        | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5   | 0.5    | 0.5    |

TOTAL NUMBER OF OBSERVATIONS: 1000



CLIMATE DIVISION  
 METEOROLOGICAL  
 CENTRAL WEATHER SERVICE DETACHMENT, ANNEVILLE, MD

# CEILING VERSUS VISIBILITY

STATION NAME

74-11

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |         |      |         |         |      |       |       |       |       |        |      |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0  |
| NO CEILING        | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| ≥ 20000           | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 18000             | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 16000             | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 14000             | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 12000             | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 10000             | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 9000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 8000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 7000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 6000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 5000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 4500              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 4000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 3500              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 3000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 2500              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 2000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 1800              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 1600              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 1500              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 1200              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 1000              | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 900               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 800               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 700               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 600               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 500               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 400               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 300               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 200               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 100               | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |
| 0                 | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7    | 51.7 | 51.7    | 51.7    | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

GLOBAL CLIMATOLOGY BRANCH  
 CHARTS  
 NAVAL WEATHER SERVICE DETACHMENT ASHVILLE NC  
 NAVAL WEATHER SERVICE PAK

# CEILING VERSUS VISIBILITY

11 01 HICKAM AFB HI

STATION

STATION NAME

14-00

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |        |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ½  | ≥ ¼  | ≥ ⅛  | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 0  |
| NO CEILING        | 57.1                       | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0   | 58.0   | 58.0   | 58.0 |
| ≥ 20000           | 55.1                       | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1   | 55.1   | 55.1   | 55.1 |
| 18000             | 55.2                       | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2   | 55.2   | 55.2   | 55.2 |
| 16000             | 55.4                       | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4   | 55.4   | 55.4   | 55.4 |
| 14000             | 55.5                       | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5   | 55.5   | 55.5   | 55.5 |
| 12000             | 55.7                       | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7   | 55.7   | 55.7 |
| 10000             | 55.7                       | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7   | 55.7   | 55.7 |
| 9000              | 55.8                       | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8   | 55.8   | 55.8   | 55.8 |
| 8000              | 55.9                       | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9   | 55.9   | 55.9 |
| 7000              | 55.9                       | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9   | 55.9   | 55.9 |
| 6000              | 56.1                       | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2   | 56.2   | 56.2   | 56.2 |
| 5000              | 77.0                       | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1   | 77.1   | 77.1   | 77.1 |
| 4500              | 92.2                       | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3   | 92.3   | 92.3   | 92.3 |
| 4000              | 94.3                       | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3   | 94.3   | 94.3   | 94.3 |
| 3500              | 94.8                       | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8   | 94.8   | 94.8   | 94.8 |
| 3000              | 95.2                       | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3   | 95.3   | 95.3   | 95.3 |
| 2500              | 96.6                       | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7   | 96.7   | 96.7 |
| 2000              | 98.0                       | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7   | 98.7   | 98.7   | 98.7 |
| 1800              | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 1500              | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 1200              | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 1000              | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 900               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 800               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 700               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 600               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 500               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 400               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 300               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 200               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 100               | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |
| 0                 | 99.3                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7   | 99.7   | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 91

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BRANCH  
 OFFICE  
 AIR FORCE WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 71-23 HICKAM AFB HI STATION NAME 74-63 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. MONTH  
 HOURS

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 0  | ≥ 0  |
| NO CEILING        | 88.7                       | 88.4 | 88.7 | 88.2 | 88.7 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 20000           | 83.4                       | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 18000             | 83.8                       | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 16000             | 84.1                       | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| 14000             | 85.4                       | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 12000             | 86.7                       | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 10000             | 88.3                       | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 9000              | 89.6                       | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 8000              | 77.1                       | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 7000              | 77.1                       | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 6000              | 77.1                       | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 5000              | 77.1                       | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 4500              | 91.6                       | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 4000              | 91.6                       | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 3500              | 93.4                       | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 3000              | 94.7                       | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 2500              | 97.4                       | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 2000              | 99.1                       | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 1800              | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1500              | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1200              | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1000              | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 900               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 800               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 700               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 600               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 500               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 400               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 300               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 200               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 100               | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 0                 | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 2

LOCAL CLIMATOLOGY BRANCH  
 OFFICE  
 1710 CENTRAL AVENUE, SEASIDE, CALIF. STATION NO. 10000

# CEILING VERSUS VISIBILITY

STATION NAME  
 NAWA AFB HI

4-23

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-14  
 HOURS

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 1/16 | ≥ 0  |
| NO CEILING        | 50.7                       | 52.2 | 52.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| ≥ 20000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 18000          | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 16000          | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 14000          | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 12000          | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 10000          | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 9000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 8000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 7000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 6000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 5000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 4500           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 4000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 3500           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 3000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 2500           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 2000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 1800           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 1500           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 1200           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 1000           | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 900            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 800            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 700            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 600            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 500            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 400            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 300            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 200            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 100            | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |
| IV 0              | 53.2                       | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2   | 53.2 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

LOCAL CLIMATE DATA  
 NAME, TAC  
 LOCATION, AIRPORT, DETACHMENT, AERIAL, ETC.

# CEILING VERSUS VISIBILITY

STATION 74-27 HICKAM AFB HI STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |     |     |     |     |       |     |     |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-------|-----|-----|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING        | 51.4                       | 46.6 | 41.8 | 37.0 | 32.2 | 27.4 | 22.6 | 17.8 | 13.0 | 8.2 | 3.4 | 1.8 | 1.0 | 0.5   | 0.2 | 0.1 |
| ≥ 20000           | 50.4                       | 45.6 | 40.8 | 36.0 | 31.2 | 26.4 | 21.6 | 16.8 | 12.0 | 7.2 | 2.4 | 1.2 | 0.6 | 0.3   | 0.1 | 0.0 |
| ≥ 18000           | 49.7                       | 44.9 | 40.1 | 35.3 | 30.5 | 25.7 | 20.9 | 16.1 | 11.3 | 6.5 | 1.7 | 0.9 | 0.4 | 0.2   | 0.1 | 0.0 |
| ≥ 16000           | 49.1                       | 44.3 | 39.5 | 34.7 | 29.9 | 25.1 | 20.3 | 15.5 | 10.7 | 5.9 | 1.5 | 0.8 | 0.3 | 0.1   | 0.0 | 0.0 |
| ≥ 14000           | 48.4                       | 43.6 | 38.8 | 34.0 | 29.2 | 24.4 | 19.6 | 14.8 | 10.0 | 5.2 | 1.4 | 0.7 | 0.3 | 0.1   | 0.0 | 0.0 |
| ≥ 12000           | 47.7                       | 42.9 | 38.1 | 33.3 | 28.5 | 23.7 | 18.9 | 14.1 | 9.3  | 4.5 | 1.3 | 0.6 | 0.2 | 0.1   | 0.0 | 0.0 |
| ≥ 10000           | 47.0                       | 42.2 | 37.4 | 32.6 | 27.8 | 23.0 | 18.2 | 13.4 | 8.6  | 3.8 | 1.2 | 0.5 | 0.2 | 0.1   | 0.0 | 0.0 |
| ≥ 9000            | 46.3                       | 41.5 | 36.7 | 31.9 | 27.1 | 22.3 | 17.5 | 12.7 | 7.9  | 3.1 | 1.1 | 0.4 | 0.2 | 0.1   | 0.0 | 0.0 |
| ≥ 8000            | 45.6                       | 40.8 | 36.0 | 31.2 | 26.4 | 21.6 | 16.8 | 12.0 | 7.2  | 2.4 | 1.0 | 0.3 | 0.1 | 0.0   | 0.0 | 0.0 |
| ≥ 7000            | 44.9                       | 40.1 | 35.3 | 30.5 | 25.7 | 20.9 | 16.1 | 11.3 | 6.5  | 1.7 | 0.9 | 0.2 | 0.1 | 0.0   | 0.0 | 0.0 |
| ≥ 6000            | 44.2                       | 39.4 | 34.6 | 29.8 | 25.0 | 20.2 | 15.4 | 10.6 | 5.8  | 1.4 | 0.8 | 0.1 | 0.1 | 0.0   | 0.0 | 0.0 |
| ≥ 5000            | 43.5                       | 38.7 | 33.9 | 29.1 | 24.3 | 19.5 | 14.7 | 9.9  | 5.1  | 1.1 | 0.7 | 0.1 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 4500            | 42.8                       | 38.0 | 33.2 | 28.4 | 23.6 | 18.8 | 14.0 | 9.2  | 4.4  | 1.0 | 0.6 | 0.1 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 4000            | 42.1                       | 37.3 | 32.5 | 27.7 | 22.9 | 18.1 | 13.3 | 8.5  | 3.7  | 0.9 | 0.5 | 0.1 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 3500            | 41.4                       | 36.6 | 31.8 | 27.0 | 22.2 | 17.4 | 12.6 | 7.8  | 3.0  | 0.8 | 0.4 | 0.1 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 3000            | 40.7                       | 35.9 | 31.1 | 26.3 | 21.5 | 16.7 | 11.9 | 7.1  | 2.3  | 0.7 | 0.3 | 0.1 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 2500            | 40.0                       | 35.2 | 30.4 | 25.6 | 20.8 | 16.0 | 11.2 | 6.4  | 1.6  | 0.6 | 0.2 | 0.1 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 2000            | 39.3                       | 34.5 | 29.7 | 24.9 | 20.1 | 15.3 | 10.5 | 5.7  | 1.5  | 0.5 | 0.1 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 1800            | 38.6                       | 33.8 | 29.0 | 24.2 | 19.4 | 14.6 | 9.8  | 5.0  | 1.4  | 0.4 | 0.1 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 1500            | 37.9                       | 33.1 | 28.3 | 23.5 | 18.7 | 13.9 | 9.1  | 4.3  | 1.3  | 0.3 | 0.1 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 1200            | 37.2                       | 32.4 | 27.6 | 22.8 | 18.0 | 13.2 | 8.4  | 3.6  | 1.2  | 0.2 | 0.1 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 1000            | 36.5                       | 31.7 | 26.9 | 22.1 | 17.3 | 12.5 | 7.7  | 2.9  | 1.1  | 0.1 | 0.1 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 900             | 35.8                       | 31.0 | 26.2 | 21.4 | 16.6 | 11.8 | 7.0  | 2.2  | 1.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 800             | 35.1                       | 30.3 | 25.5 | 20.7 | 15.9 | 11.1 | 6.3  | 1.5  | 0.9  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 700             | 34.4                       | 29.6 | 24.8 | 20.0 | 15.2 | 10.4 | 5.6  | 0.8  | 0.8  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 600             | 33.7                       | 28.9 | 24.1 | 19.3 | 14.5 | 9.7  | 4.9  | 0.7  | 0.7  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 500             | 33.0                       | 28.2 | 23.4 | 18.6 | 13.8 | 9.0  | 4.2  | 0.6  | 0.6  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 400             | 32.3                       | 27.5 | 22.7 | 17.9 | 13.1 | 8.3  | 3.5  | 0.5  | 0.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 300             | 31.6                       | 26.8 | 22.0 | 17.2 | 12.4 | 7.6  | 2.8  | 0.4  | 0.4  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 200             | 30.9                       | 26.1 | 21.3 | 16.5 | 11.7 | 6.9  | 2.1  | 0.3  | 0.3  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 100             | 30.2                       | 25.4 | 20.6 | 15.8 | 11.0 | 6.2  | 1.4  | 0.2  | 0.2  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |
| ≥ 0               | 29.5                       | 24.7 | 19.9 | 15.1 | 10.3 | 5.5  | 0.7  | 0.1  | 0.1  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS 520

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

74-55

## STATION

STATION NAME

YEARS

NOTES

4

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ¾    | ¾    | ¾    | ¾    | ¾    | ≥ 0  |
| NO CEILING        | 57.3                       | 55.3 | 53.3 | 50.3 | 47.3 | 45.3 | 43.3 | 41.3 | 39.3 | 37.3 | 35.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 |
| IV 20000          | 56.3                       | 54.3 | 52.3 | 49.3 | 46.3 | 44.3 | 42.3 | 40.3 | 38.3 | 36.3 | 34.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 |
| IV 18000          | 55.3                       | 53.3 | 51.3 | 48.3 | 45.3 | 43.3 | 41.3 | 39.3 | 37.3 | 35.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 |
| IV 16000          | 54.3                       | 52.3 | 50.3 | 47.3 | 44.3 | 42.3 | 40.3 | 38.3 | 36.3 | 34.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 |
| IV 14000          | 53.3                       | 51.3 | 49.3 | 46.3 | 43.3 | 41.3 | 39.3 | 37.3 | 35.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 |
| IV 12000          | 52.3                       | 50.3 | 48.3 | 45.3 | 42.3 | 40.3 | 38.3 | 36.3 | 34.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 |
| IV 10000          | 51.3                       | 49.3 | 47.3 | 44.3 | 41.3 | 39.3 | 37.3 | 35.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 |
| IV 9000           | 50.3                       | 48.3 | 46.3 | 43.3 | 40.3 | 38.3 | 36.3 | 34.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 |
| IV 8000           | 49.3                       | 47.3 | 45.3 | 42.3 | 39.3 | 37.3 | 35.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 |
| IV 7000           | 48.3                       | 46.3 | 44.3 | 41.3 | 38.3 | 36.3 | 34.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 |
| IV 6000           | 47.3                       | 45.3 | 43.3 | 40.3 | 37.3 | 35.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 |
| IV 5000           | 46.3                       | 44.3 | 42.3 | 39.3 | 36.3 | 34.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 |
| IV 4500           | 45.3                       | 43.3 | 41.3 | 38.3 | 35.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 |
| IV 4000           | 44.3                       | 42.3 | 40.3 | 37.3 | 34.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 |
| IV 3500           | 43.3                       | 41.3 | 39.3 | 36.3 | 33.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 |
| IV 3000           | 42.3                       | 40.3 | 38.3 | 35.3 | 32.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 |
| IV 2500           | 41.3                       | 39.3 | 37.3 | 34.3 | 31.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  |
| IV 2000           | 40.3                       | 38.3 | 36.3 | 33.3 | 30.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  |
| IV 1800           | 39.3                       | 37.3 | 35.3 | 32.3 | 29.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  | 7.3  |
| IV 1500           | 38.3                       | 36.3 | 34.3 | 31.3 | 28.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  | 6.3  |
| IV 1200           | 37.3                       | 35.3 | 33.3 | 30.3 | 27.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  | 7.3  | 5.3  |
| IV 1000           | 36.3                       | 34.3 | 32.3 | 29.3 | 26.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  | 6.3  | 4.3  |
| IV 900            | 35.3                       | 33.3 | 31.3 | 28.3 | 25.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  | 7.3  | 5.3  | 3.3  |
| IV 800            | 34.3                       | 32.3 | 30.3 | 27.3 | 24.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  | 6.3  | 4.3  | 2.3  |
| IV 700            | 33.3                       | 31.3 | 29.3 | 26.3 | 23.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  | 7.3  | 5.3  | 3.3  | 1.3  |
| IV 600            | 32.3                       | 30.3 | 28.3 | 25.3 | 22.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  | 6.3  | 4.3  | 2.3  | 0.3  |
| IV 500            | 31.3                       | 29.3 | 27.3 | 24.3 | 21.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  | 7.3  | 5.3  | 3.3  | 1.3  | 0.3  |
| IV 400            | 30.3                       | 28.3 | 26.3 | 23.3 | 20.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  | 6.3  | 4.3  | 2.3  | 0.3  | 0.3  |
| IV 300            | 29.3                       | 27.3 | 25.3 | 22.3 | 19.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  | 7.3  | 5.3  | 3.3  | 1.3  | 0.3  | 0.3  |
| IV 200            | 28.3                       | 26.3 | 24.3 | 21.3 | 18.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  | 6.3  | 4.3  | 2.3  | 0.3  | 0.3  | 0.3  |
| IV 100            | 27.3                       | 25.3 | 23.3 | 20.3 | 17.3 | 15.3 | 13.3 | 11.3 | 9.3  | 7.3  | 5.3  | 3.3  | 1.3  | 0.3  | 0.3  | 0.3  |
| IV 0              | 26.3                       | 24.3 | 22.3 | 19.3 | 16.3 | 14.3 | 12.3 | 10.3 | 8.3  | 6.3  | 4.3  | 2.3  | 0.3  | 0.3  | 0.3  | 0.3  |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIHNAVOCEANMET SMOS

LOCAL CLIMATOLOGY DIVISION  
 SAFETY  
 METEOROLOGICAL SERVICE ATTACHMENT A (SERVICE NO.)

# CEILING VERSUS VISIBILITY

STATION NAME: HIGHWAY APT-4 74-83 YEARS: NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 0  | ≥ 0  |
| NO CEILING        | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| ≥ 20000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 18000          | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 16000          | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 14000          | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 12000          | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 10000          | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 9000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 8000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 7000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 6000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 5000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 4500           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 4000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 3500           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 3000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 2500           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 2000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 1800           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 1500           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 1200           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 1000           | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 900            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 800            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 700            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 600            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 500            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 400            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 300            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 200            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 100            | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |
| IV 0              | 67.6                       | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 |

TOTAL NUMBER OF OBSERVATIONS 120

DIRNAVOCEANMET SMOS

U.S. AIR FORCE  
 AIRCRAFT WEATHER SERVICE DETACHMENT, ASHKEWICH, IN  
 AIRCRAFT SERVICE

# CEILING VERSUS VISIBILITY

STATION  
 111-27

STATION NAME  
 HICKAM AFB HI

STATION NAME

74-85

YEARS

MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |       |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ 1  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 0  |
| NO CEILING        | 55.2                       | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2  | 55.2 |
| ≥ 20000           | 64.2                       | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2 |
| IV 18000          | 65.2                       | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2 |
| IV 16000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4  | 65.4 |
| IV 14000          | 66.2                       | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 |
| IV 12000          | 67.2                       | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 |
| IV 10000          | 68.2                       | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 |
| IV 9000           | 69.2                       | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2 |
| IV 8000           | 69.2                       | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2 |
| IV 7000           | 69.2                       | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2 |
| IV 6000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 |
| IV 5000           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 4500           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 4000           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 3500           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 3000           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 2500           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 2000           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 1800           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 1500           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 1200           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 1000           | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 900            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 800            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 700            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 600            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 500            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 400            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 300            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 200            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 100            | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |
| IV 0              | 71.1                       | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



CENTRAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 U. S. NAVY WEATHER SERVICE DETACHMENT, ARLINGTON, VA.

# CEILING VERSUS VISIBILITY

STATION NO. 11122 STATION NAME HICKAM AFB HI YEARS 74-75 MONTH NOVEMBER

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 0  | ≥ 0  |
| NO CEILING        | 57.7                       | 55.3 | 50.7 | 53.5 | 41.7 | 52.1 | 58.7 | 56.1 | 50.7 | 51.3 | 50.3 | 43.3 | 51.5 | 44.7 | 44.3 |
| IV 20000          | 61.5                       | 62.3 | 61.1 | 62.3 | 61.5 | 61.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| IV 18000          | 61.6                       | 62.3 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| IV 16000          | 62.4                       | 62.3 | 62.6 | 62.3 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| IV 14000          | 62.4                       | 62.3 | 62.6 | 62.3 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| IV 12000          | 64.0                       | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| IV 10000          | 65.2                       | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| IV 9000           | 65.6                       | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| IV 8000           | 66.2                       | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| IV 7000           | 66.7                       | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| IV 6000           | 66.9                       | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| IV 5000           | 74.4                       | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| IV 4500           | 91.3                       | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| IV 4000           | 93.5                       | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| IV 3500           | 94.3                       | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 3000           | 94.3                       | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 2500           | 97.3                       | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 2000           | 99.4                       | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1800           | 99.5                       | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 1500           | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1200           | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1000           | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 900            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 800            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 700            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 600            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 500            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 400            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 300            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 200            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 100            | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 0              | 99.9                       | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 11122

DIRNAVOCEANMET SMOS

1. GENERAL CLIMATOLOGY DATA

2. STATION NAME AND LOCATION  
 3. DATE AND TIME OF OBSERVATION

# CEILING VERSUS VISIBILITY

STATION NAME: NICKA, AFB, TX DATE: 7-1-57 YEARS: MONTH:

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 0  | ≥ 0  |
| NO CEILING        | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| ≥ 20000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 18000          | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 16000          | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 14000          | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 12000          | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 10000          | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 9000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 8000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 7000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 6000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 5000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 4500           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 4000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 3500           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 3000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 2500           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 2000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 1800           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 1500           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 1200           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 1000           | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 900            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 800            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 700            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 600            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 500            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 400            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 300            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 200            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 100            | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |
| IN 0              | 53.7                       | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7 |

TOTAL NUMBER OF OBSERVATIONS 57

DIRNAVOCEANMET SMOS

U.S. AIR FORCE CLIMATE DIVISION  
 WASHINGTON, D.C. 20330  
 AIR FORCE WEATHER SERVICE DETACHMENT AFB HICKAM, HI

# CEILING VERSUS VISIBILITY

STATION NO. 11-27 STATION NAME HICKAM AFB HI YEARS 74-84 MONTH NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 0  | ≥ 0  |
| NO CEILING        | 51.1                       | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1  | 51.1 | 51.1 |
| ≥ 20000           | 56.1                       | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1  | 56.1 | 56.1 |
| IV 18000          | 56.1                       | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1  | 56.1 | 56.1 |
| IV 16000          | 56.3                       | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3  | 56.3 | 56.3 |
| IV 14000          | 56.5                       | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5  | 56.5 | 56.5 |
| IV 12000          | 57.4                       | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  | 57.4 | 57.4 |
| IV 10000          | 57.9                       | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9 | 57.9 |
| IV 9000           | 57.7                       | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7  | 57.7 | 57.7 |
| IV 8000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1 |
| IV 7000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1 |
| IV 6000           | 70.2                       | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 |
| IV 5000           | 77.2                       | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2  | 77.2 | 77.2 |
| IV 4500           | 92.5                       | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5  | 92.5 | 92.5 |
| IV 4000           | 95.6                       | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6  | 95.6 | 95.6 |
| IV 3500           | 95.8                       | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8  | 95.8 | 95.8 |
| IV 3000           | 96.3                       | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3 | 96.3 |
| IV 2500           | 97.7                       | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  | 97.7 | 97.7 |
| IV 2000           | 99.4                       | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4 |
| IV 1800           | 99.1                       | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 |
| IV 1500           | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 1200           | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 1000           | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 900            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 800            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 700            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 600            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 500            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 400            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 300            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 200            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 100            | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |
| IV 0              | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 10000

DIRNAVOCEANMET SMOS

U.S. AIR FORCE  
CENTRAL CLIMATOLOGY BRANCH  
WETTER  
U.S. AIR FORCE WEATHER SERVICE DETACHMENT WASHINGTON

# CEILING VERSUS VISIBILITY

STATION NAME: HICKAM AFB HI STATION NAME: 74-37 YEARS: MONTH:

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 1/16 | ≥ 0  |
| NO CEILING        | 64.0                       | 64.2 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  | 64.9   | 64.9 |
| ≥ 20000           | 64.1                       | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1  | 64.1   | 64.1 |
| 18000             | 64.2                       | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2   | 64.2 |
| 16000             | 64.2                       | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2   | 64.2 |
| 14000             | 65.7                       | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7  | 65.7   | 65.7 |
| 12000             | 66.5                       | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5  | 66.5   | 66.5 |
| 10000             | 67.3                       | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3   | 67.3 |
| 9000              | 68.9                       | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9   | 68.9 |
| 8000              | 69.5                       | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5  | 69.5   | 69.5 |
| 7000              | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1   | 70.1 |
| 6000              | 70.2                       | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  | 70.2   | 70.2 |
| 5000              | 70.9                       | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9   | 70.9 |
| 4500              | 90.1                       | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3  | 90.3   | 90.3 |
| 4000              | 91.3                       | 91.5 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  | 91.7   | 91.7 |
| 3500              | 91.7                       | 92.2 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4  | 92.4   | 92.4 |
| 3000              | 93.1                       | 93.5 | 93.5 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8  | 93.8   | 93.8 |
| 2500              | 95.4                       | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5  | 96.5   | 96.5 |
| 2000              | 97.2                       | 97.7 | 97.7 | 97.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5  | 98.5   | 98.5 |
| 1800              | 97.6                       | 98.3 | 98.3 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7  | 98.7   | 98.7 |
| 1500              | 97.7                       | 98.6 | 98.6 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0   | 99.0 |
| 1200              | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 1000              | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 900               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 800               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 700               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 600               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 500               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 400               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 300               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 200               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 100               | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |
| 0                 | 97.7                       | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1   | 99.1 |

TOTAL NUMBER OF OBSERVATIONS: 2

DIRNAVOCEANMET SMOS

LOCAL METEOROLOGICAL STATION  
 NAME  
 ADDRESS

# CEILING VERSUS VISIBILITY

STATION NO. 74-83 STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |     |     |       |     |     |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-----|-----|-------|-----|-----|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ¾  | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING        | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| ≥ 20000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 18000          | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 16000          | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 14000          | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 12000          | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 10000          | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 9000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 8000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 7000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 6000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 5000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 4500           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 4000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 3500           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 3000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 2500           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 2000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 1800           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 1500           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 1200           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 1000           | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 900            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 800            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 700            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 600            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 500            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 400            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 300            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 200            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 100            | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |
| IV 0              | 57.7                       | 50.3 | 45.7 | 40.3 | 35.7 | 30.3 | 25.7 | 20.3 | 15.7 | 10.3 | 5.7 | 0.3 | 0.3   | 0.3 | 0.3 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

U.S. AIR FORCE  
 AIRCRAFT  
 AIRCRAFT

# CEILING VERSUS VISIBILITY

STATION NAME: 44-30 YEARS: MONTH:

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/16 | ≥ 0  |
| NO CEILING      | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 20000         | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 18000         | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 16000         | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 14000         | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 12000         | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 10000         | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 9000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 8000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 7000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 6000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 5000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 4500          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 4000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 3500          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 3000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 2500          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 2000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 1800          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 1500          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 1200          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 1000          | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 900           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 800           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 700           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 600           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 500           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 400           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 300           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 200           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 100           | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |
| ≥ 0             | 54.7                       | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7   | 54.7 |

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET SMOS

NATIONAL CLIMATOLOGY BRANCH  
 WAFS-1240  
 U.S. AIR FORCE WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
 11-20

STATION NAME  
 HICKORY AFB, NC

YEARS  
 14-55

MONTH  
 SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS PER DAY

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 1/16 | ≥ 0  |
| NO CEILING        | 54.7                       | 74.8 | 54.4 | 54.6 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8  | 54.8   | 54.8 |
| ≥ 20000           | 53.3                       | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  | 53.3   | 53.3 |
| IV 18000          | 53.5                       | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5  | 53.5   | 53.5 |
| IV 16000          | 53.6                       | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6  | 53.6   | 53.6 |
| IV 14000          | 53.9                       | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9  | 53.9   | 53.9 |
| IV 12000          | 55.3                       | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3  | 55.3   | 55.3 |
| IV 10000          | 57.6                       | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6  | 57.6   | 57.6 |
| IV 9000           | 67.3                       | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3   | 67.3 |
| IV 8000           | 68.9                       | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9   | 68.9 |
| IV 7000           | 69.1                       | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1  | 69.1   | 69.1 |
| IV 6000           | 69.5                       | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5  | 69.5   | 69.5 |
| IV 5000           | 75.4                       | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4  | 75.4   | 75.4 |
| IV 4500           | 88.9                       | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9  | 88.9   | 88.9 |
| IV 4000           | 90.9                       | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9  | 90.9   | 90.9 |
| IV 3500           | 91.2                       | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2  | 91.2   | 91.2 |
| IV 3000           | 91.8                       | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8  | 91.8   | 91.8 |
| IV 2500           | 95.1                       | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1  | 95.1   | 95.1 |
| IV 2000           | 97.0                       | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0  | 97.0   | 97.0 |
| IV 1800           | 98.1                       | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1  | 98.1   | 98.1 |
| IV 1500           | 98.5                       | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5  | 98.5   | 98.5 |
| IV 1200           | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6   | 99.6 |
| IV 1000           | 99.7                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7   | 99.7 |
| IV 900            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 800            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 700            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 600            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 500            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 400            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 300            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 200            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 100            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 0              | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

LOCAL CLIMATOLOGY BASED  
ON RECENT  
LOCAL WEATHER SERVICE DATA AT WHEELING, MD

# CEILING VERSUS VISIBILITY

STATION 11721 HIGHWAY 400 HI STATION NAME

74-83

YEARS

210 NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |       |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 1/16 | ≥ 0  |
| NO CEILING        | 51.7                       | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7  | 51.7   | 51.7 |
| ≥ 20000           | 56.2                       | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2   | 56.2 |
| IV 18000          | 56.2                       | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2   | 56.2 |
| IV 16000          | 56.2                       | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2   | 56.2 |
| IV 14000          | 56.5                       | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5  | 56.5   | 56.5 |
| IV 12000          | 57.2                       | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2  | 57.2   | 57.2 |
| IV 10000          | 59.4                       | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4  | 59.4   | 59.4 |
| IV 9000           | 70.1                       | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1   | 70.1 |
| IV 8000           | 70.4                       | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  | 70.4   | 70.4 |
| IV 7000           | 70.6                       | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6   | 70.6 |
| IV 6000           | 70.8                       | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8  | 70.8   | 70.8 |
| IV 5000           | 76.2                       | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2  | 76.2   | 76.2 |
| IV 4500           | 90.5                       | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5  | 90.5   | 90.5 |
| IV 4000           | 92.3                       | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3  | 92.3   | 92.3 |
| IV 3500           | 93.1                       | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1  | 93.1   | 93.1 |
| IV 3000           | 93.5                       | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5  | 93.5   | 93.5 |
| IV 2500           | 96.2                       | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2  | 96.2   | 96.2 |
| IV 2000           | 97.8                       | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8  | 97.8   | 97.8 |
| IV 1800           | 99.2                       | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2   | 99.2 |
| IV 1500           | 99.6                       | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6   | 99.6 |
| IV 1200           | 99.7                       | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7   | 99.7 |
| IV 1000           | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 900            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 800            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 700            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 600            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 500            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 400            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 300            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 200            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 100            | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |
| IV 0              | 99.8                       | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8   | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 977

DIRNAVOCEANMET SMOS



LOCAL CLIMATOLOGY BRANCH  
 WPCF/TAC  
 1215 EAST 10TH AVENUE DETROIT, MI 48207-4500

# CEILING VERSUS VISIBILITY

STATION 111600 HICKAM AFB HI STATION NAME 74-65 YEARS NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |        |       |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/16 | ≥ 1/8 | ≥ 0  |
| NO CEILING        | 57.5                       | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5   | 57.5  | 57.5 |
| ≥ 20000           | 64.2                       | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2   | 64.2  | 64.2 |
| IV 18000          | 64.3                       | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3   | 64.3  | 64.3 |
| IV 16000          | 64.4                       | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4   | 64.4  | 64.4 |
| IV 14000          | 65.0                       | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0   | 65.0  | 65.0 |
| IV 12000          | 65.2                       | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2   | 65.2  | 65.2 |
| IV 10000          | 67.5                       | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5   | 67.5  | 67.5 |
| IV 9000           | 67.3                       | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   | 67.3  | 67.3 |
| IV 8000           | 67.5                       | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5   | 67.5  | 67.5 |
| IV 7000           | 67.5                       | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5   | 67.5  | 67.5 |
| IV 6000           | 67.5                       | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5   | 67.5  | 67.5 |
| IV 5000           | 76.3                       | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4   | 76.4  | 76.4 |
| IV 4500           | 92.5                       | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7   | 92.7  | 92.7 |
| IV 4000           | 92.4                       | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7   | 92.7  | 92.7 |
| IV 3500           | 92.7                       | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2   | 93.2  | 93.2 |
| IV 3000           | 93.5                       | 93.5 | 93.5 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9   | 93.9  | 93.9 |
| IV 2500           | 96.7                       | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7  | 96.7 |
| IV 2000           | 97.5                       | 97.5 | 97.5 | 97.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9   | 98.9  | 98.9 |
| IV 1800           | 97.5                       | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3   | 99.3  | 99.3 |
| IV 1500           | 97.9                       | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7   | 99.7  | 99.7 |
| IV 1200           | 97.8                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 1000           | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 900            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 800            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 700            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 600            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 500            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 400            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 300            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 200            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 100            | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |
| IV 0              | 97.9                       | 99.2 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8  | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 243

DIRNAVUCEANMET SMOS

CLIMATE CLIMATOLOGY BRANCH  
 WRETC  
 WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

11 27 HICKAM AFB HI

74-83

ALL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |        |       |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/16 | ≥ 1/8 | ≥ 0  |
| NO CEILING      | 17.0                       | 57.0 | 57.0 | 17.0 | 57.0 | 17.0 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1   | 17.1  | 17.1 |
| ≥ 20000         | 65.1                       | 65.2 | 55.2 | 55.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2   | 65.2  | 65.2 |
| ≥ 18000         | 65.2                       | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3  | 65.3 |
| ≥ 16000         | 65.3                       | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3  | 65.3 |
| ≥ 14000         | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 12000         | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 10000         | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 9000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 8000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 7000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 6000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 5000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 4500          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 4000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 3500          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 3000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 2500          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 2000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 1800          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 1500          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 1200          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 1000          | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 900           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 800           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 700           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 600           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 500           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 400           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 300           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 200           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 100           | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |
| ≥ 0             | 65.4                       | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4   | 65.4  | 65.4 |

TOTAL NUMBER OF OBSERVATIONS 2767

DIRNAVOCEANMET SMOS

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE CATEGORIES OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBLSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 5/10

OVERCAST WAS CONVERTED TO 10/10

OBLSCURED WAS CONVERTED TO 10/10

## SKY COVER

74-83

JAN

[illegible]

## SKY COVER

74-83

— F E Δ

[illegible]

## SKY COVER

- 45 -

| MONTH  | HOURS<br>(LST.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     |      | MEAN<br>TENTHS OF<br>TOTAL SKY COVER | TOTAL<br>NUMBER OF<br>OBSERVATIONS |      |
|--------|-----------------|---|-----|---|------|-----|-----|-----|---|-----|------|--------------------------------------|------------------------------------|------|
|        |                 | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    |                                      |                                    | 10   |
| MAR    | 00-02           | 10.9  | 3.3 |   | 39.7 | 2.7 | 2.0 | 1.7 |   | 2.9 | 19.0 | 17.7                                 | 5.3                                | 930  |
|        | 03-05           | 10.5  |     |   | 43.4 |     |     |     |   |     | 26.3 | 19.7                                 | 5.6                                | 930  |
|        | 06-08           | 6.7   | 2.9 |   | 38.9 | 2.6 | 1.7 | 1.9 |   | 3.4 | 22.0 | 19.9                                 | 5.7                                | 930  |
|        | 09-11           | 2.8   |     |   | 47.2 |     |     |     |   |     | 30.2 | 19.8                                 | 6.1                                | 930  |
|        | 12-14           | 1.1   | .5  |   | 39.1 | 4.3 | 4.3 | 2.3 |   | 4.7 | 24.0 | 19.7                                 | 6.2                                | 930  |
|        | 15-17           | 1.0   |     |   | 46.9 |     |     |     |   |     | 31.3 | 20.9                                 | 6.3                                | 930  |
|        | 18-20           | 2.4   | 2.4 |   | 36.7 | 3.2 | 3.0 | 1.8 |   | 4.5 | 26.8 | 19.2                                 | 6.2                                | 930  |
|        | 21-23           | 7.3   |     |   | 49.6 |     |     |     |   |     | 24.0 | 19.1                                 | 5.6                                | 930  |
|        |                 |   |     |   |      |     |     |     |   |     |      |                                      |                                    |      |
|        |                 |   |     |   |      |     |     |     |   |     |      |                                      |                                    |      |
|        |                 |   |     |   |      |     |     |     |   |     |      |                                      |                                    |      |
|        |                 |   |     |   |      |     |     |     |   |     |      |                                      |                                    |      |
| TOTALS |                 | 5.3   | 1.1 |   | 42.7 | 1.6 | 1.4 | 1.0 |   | 1.9 | 25.5 | 19.5                                 | 5.9                                | 7440 |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# SKY COVER

511820 STATION HICKAM AFB HI 74-83 PERIOD APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS<br>-LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     |      | MEAN<br>TENTH OF<br>SKY COVER | TOTAL<br>NUMBER<br>OBS. |     |
|-------|---------------|---|-----|---|------|-----|-----|-----|---|-----|------|-------------------------------|-------------------------|-----|
|       |               | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    |                               |                         | 10  |
| APR   | 00-02         | 4.8   | 2.4 |   | 34.0 | 3.1 | 2.4 | 1.9 |   | 6.1 | 29.0 | 16.2                          | 6.1                     | 900 |
|       | 03-05         | 6.4   |     |   | 43.0 |     |     |     |   |     | 33.7 | 16.9                          | 6.2                     | 900 |
|       | 06-08         | 2.8   | 2.4 |   | 36.4 | 2.9 | 2.7 | 2.4 |   | 5.4 | 27.3 | 15.6                          | 6.2                     | 900 |
|       | 09-11         | .3  |     |   | 45.4 |     |     |     |   |     | 36.0 | 18.2                          | 6.4                     | 900 |
|       | 12-14         |   | .4  |   | 33.9 | 3.9 | 4.7 | 3.7 |   | 6.0 | 30.8 | 16.7                          | 6.5                     | 900 |
|       | 15-17         | .2  |     |   | 44.9 |     |     |     |   |     | 33.3 | 21.6                          | 6.5                     | 900 |
|       | 18-20         | .6  | 1.6 |   | 37.3 | 3.7 | 2.7 | 2.6 |   | 5.9 | 26.4 | 19.3                          | 6.4                     | 900 |
|       | 21-23         | 4.4   |     |   | 44.9 |     |     |     |   |     | 33.6 | 16.9                          | 6.1                     | 900 |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |
|       |               |   |     |   |      |     |     |     |   |     |      |                               |                         |     |

## SKY COVER

74-93

AY

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |      |      | TOTAL<br>PERCENT | NO. OF<br>OBS. |     |
|--------|----------------|---|-----|---|------|-----|-----|-----|---|------|------|------------------|----------------|-----|
|        |                | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8    | 9    |                  |                | 10  |
| MAY    | 00-02          | 3.3   | 2.7 |   | 41.9 | 3.2 | 2.9 | 2.2 |   | 5.6  | 25.6 | 12.5             | 5.7            | 933 |
|        | 03-05          | 5.9   |     |   | 45.8 |     |     |     |   | 34.6 | 13.7 | 5.9              | 933            |     |
|        | 06-08          | 1.2   | 1.6 |   | 41.5 | 2.8 | 3.4 | 2.0 |   | 4.5  | 30.9 | 12.0             | 6.0            | 933 |
|        | 09-11          | .4  |     |   | 45.6 | .1  |     |     |   | .1   | 41.8 | 11.9             | 6.3            | 930 |
|        | 12-14          | .3  | .5  |   | 39.4 | 4.5 | 3.7 | 3.0 |   | 6.1  | 29.4 | 13.1             | 6.0            | 933 |
|        | 15-17          | .4  |     |   | 43.3 |     |     |     |   | 39.4 | 17.8 | 6.5              | 933            |     |
|        | 18-20          | .8  | 1.4 |   | 36.0 | 4.2 | 2.9 | 1.7 |   | 6.3  | 30.3 | 16.3             | 6.4            | 933 |
|        | 21-23          | 1.2   |     |   | 52.6 |     |     |     |   | 30.6 | 14.9 | 5.8              | 933            |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
| TOTALS |                | 1.3   | .8  |   | 43.3 | 1.9 | 1.6 | 1.1 |   | 2.8  | 32.7 | 14.0             | 6.1            | 744 |



## SKY COVER

74-83

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| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     | MEAN |       |     |      |
|--------|--------------|---|-----|---|------|-----|-----|-----|---|-----|------|-------|-----|------|
|        |              | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    | TOTAL | %   |      |
| JUN    | 00-02        | 2.2   | 3.0 |   | 40.3 | 2.0 | 2.2 | 4.0 |   | 5.2 | 27.4 | 12.6  | 5.9 | 900  |
|        | 03-05        | 3.8   |     |   | 47.7 |     |     |     |   |     | 32.7 | 15.9  | 6.0 | 900  |
|        | 06-08        | 1.3   | 2.0 |   | 40.6 | 2.8 | 2.7 | 3.0 |   | 5.4 | 29.3 | 12.8  | 6.0 | 900  |
|        | 09-11        |   |     |   | 46.0 |     |     |     |   |     | 39.7 | 14.3  | 6.4 | 900  |
|        | 12-14        |   | .1  |   | 31.0 | 3.1 | 5.6 | 2.7 |   | 8.4 | 36.0 | 13.1  | 6.7 | 900  |
|        | 15-17        | .1  |     |   | 46.0 |     |     |     |   |     | 39.0 | 14.0  | 6.4 | 900  |
|        | 18-20        | .3  | 1.8 |   | 40.0 | 2.9 | 4.0 | 1.7 |   | 5.7 | 29.4 | 14.2  | 6.2 | 900  |
|        | 21-23        | 1.3   |     |   | 49.1 |     |     |     |   |     | 36.8 | 12.8  | 6.1 | 900  |
| TOTALS |              | 1.1   | .9  |   | 42.6 | 1.4 | 1.8 | 1.4 |   | 3.2 | 33.8 | 13.9  | 6.2 | 7200 |

## SKY COVER

74-83

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| MONTH  | HOURS<br>-LST- | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |      |      | TOTAL<br>PERCENT | NO. OF<br>OBS. |     |
|--------|----------------|---|-----|---|------|-----|-----|-----|---|------|------|------------------|----------------|-----|
|        |                | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8    | 9    |                  |                | 10  |
| JUL    | 00-02          | 2.0   | 2.6 |   | 48.6 | 3.8 | 2.6 | 2.9 |   | 5.4  | 25.9 | 6.2              | 5.3            | 93  |
|        | 03-05          | 4.1   |     |   | 51.2 |     |     |     |   | 35.4 | 9.4  | 5.7              | 93             |     |
|        | 06-08          | 1.1   | 2.4 |   | 47.1 | 3.7 | 2.3 | 2.5 |   | 4.6  | 30.1 | 6.3              | 5.6            | 93  |
|        | 09-11          | .1  |     |   | 54.3 |     |     |     |   | 38.2 | 7.4  | 5.8              | 93             |     |
|        | 12-14          |   | .2  |   | 40.5 | 4.5 | 5.1 | 2.2 |   | 7.6  | 34.1 | 5.8              | 6.0            | 93  |
|        | 15-17          |   |     |   | 54.7 |     |     |     |   | 37.3 | 8.0  | 5.8              | 93             |     |
|        | 18-20          | .9  | 2.4 |   | 45.6 | 3.5 | 4.0 | 1.8 |   | 6.0  | 29.7 | 6.1              | 5.6            | 93  |
|        | 21-23          | 2.6   |     |   | 55.4 |     |     |     |   | 35.3 | 6.8  | 5.5              | 93             |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
|        |                |   |     |   |      |     |     |     |   |      |      |                  |                |     |
| TOTALS |                | 1.4   | 1.0 |   | 49.7 | 1.9 | 1.8 | 1.2 |   | 3.0  | 33.3 | 7.0              | 5.7            | 744 |

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

911820 HICKAM AFB HI

74-83

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     |      | TOTAL<br>PERCENTAGE | TOTAL<br>OBSERVATIONS |      |
|--------|--------------|---|-----|---|------|-----|-----|-----|---|-----|------|---------------------|-----------------------|------|
|        |              | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    |                     |                       |      |
| AUG    | 00-02        | 5.3   | 2.8 |   | 44.9 | 3.7 | 2.3 | 2.7 |   | 6.2 | 23.9 | 8.3                 | 5.3                   | 930  |
|        | 03-05        | 9.2   |     |   | 50.6 |     |     |     |   |     | 31.1 | 9.2                 | 5.2                   | 930  |
|        | 06-08        | 3.0   | 3.1 |   | 45.4 | 3.9 | 2.2 | 1.7 |   | 5.1 | 27.2 | 8.5                 | 5.5                   | 930  |
|        | 09-11        | .1  |     |   | 56.0 |     |     |     |   |     | 35.7 | 8.2                 | 5.7                   | 930  |
|        | 12-14        | .3  | .8  |   | 47.7 | 4.6 | 3.2 | 3.1 |   | 4.4 | 26.8 | 9.2                 | 5.6                   | 930  |
|        | 15-17        | .5  |     |   | 55.7 |     |     |     |   |     | 31.6 | 12.2                | 5.7                   | 930  |
|        | 18-20        | 1.7   | 2.9 |   | 46.3 | 4.5 | 2.8 | 1.7 |   | 5.7 | 23.0 | 11.3                | 5.5                   | 930  |
|        | 21-23        | 4.5   | .1  |   | 54.2 |     |     |     |   |     | 31.3 | 9.9                 | 5.4                   | 930  |
| TOTALS |              | 3.1   | 1.2 |   | 56.1 | 2.1 | 1.3 | 1.2 |   | 2.7 | 28.8 | 9.6                 | 5.5                   | 7440 |

## SKY COVER

74-E3

554

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     |      |      |     |      |
|--------|----------------|---|-----|---|------|-----|-----|-----|---|-----|------|------|-----|------|
|        |                | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    |      |     |      |
| SEP    | 03-02          | 7.3   | 4.0 |   | 48.0 | 3.9 | 3.2 | 1.6 |   | 4.6 | 22.0 | 5.4  | 4.7 | 970  |
|        | 03-05          | 11.8  |     |   | 54.0 |     |     |     |   |     | 27.9 | 5.4  | 4.7 | 970  |
|        | 06-08          | 5.7   | 4.1 |   | 49.0 | 3.6 | 2.4 | 2.1 |   | 3.6 | 22.9 | 6.4  | 4.0 | 970  |
|        | 09-11          | .4  |     |   | 60.0 |     |     |     |   |     | 31.9 | 7.7  | 5.4 | 970  |
|        | 12-14          |   | .3  |   | 42.0 | 4.8 | 4.4 | 2.6 |   | 5.6 | 31.2 | 9.1  | 6.7 | 970  |
|        | 15-17          |   |     |   | 51.6 |     |     |     |   |     | 36.1 | 12.3 | 6.0 | 970  |
|        | 18-20          | .9  | 2.6 |   | 46.3 | 4.8 | 2.2 | 2.4 |   | 6.7 | 24.1 | 10.0 | 5.6 | 970  |
|        | 21-23          | 4.3   |     |   | 58.6 |     |     |     |   |     | 20.6 | 7.3  | 5.2 | 970  |
| TOTALS |                | 3.7   | 1.4 |   | 51.4 | 2.1 | 1.5 | 1.1 |   | 2.6 | 28.2 | 8.2  | 5.3 | 7200 |

## SKY COVER

24-23

-21-

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     |      | TOTAL<br>TENTHS | TOTAL<br>SKY COVER |       |
|--------|--------------|---|-----|---|------|-----|-----|-----|---|-----|------|-----------------|--------------------|-------|
|        |              | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    |                 |                    | 10    |
| Oct    | 00-02        | 6.5   | 3.2 |   | 41.8 | 3.4 | 2.4 | 1.5 |   | 4.7 | 22.9 | 13.5            | 5.4                | 93.2  |
|        | 03-05        | 12.0  |     |   | 47.8 |     |     |     |   |     | 27.1 | 13.7            | 5.2                | 93.2  |
|        | 06-08        | 5.4   | 3.4 |   | 43.2 | 2.9 | 2.2 | 1.9 |   | 4.5 | 24.4 | 12.0            | 5.4                | 93.2  |
|        | 09-11        | 1.5   |     |   | 53.1 |     |     |     |   |     | 31.7 | 13.7            | 5.3                | 93.2  |
|        | 12-14        |   | .5  |   | 40.8 | 4.5 | 4.6 | 2.7 |   | 5.5 | 29.1 | 12.3            | 6.1                | 93.2  |
|        | 15-17        | .2  |     |   | 47.5 | .1  |     |     |   |     | 37.8 | 14.3            | 6.3                | 93.2  |
|        | 18-20        | 1.4   | 2.2 |   | 42.0 | 3.7 | 2.9 | 1.7 |   | 5.5 | 24.8 | 15.8            | 5.9                | 93.2  |
|        | 21-23        | 4.8   |     |   | 53.4 |     |     |     |   |     | 26.9 | 14.8            | 5.5                | 93.2  |
| TOTALS |              | 4.0   | 1.2 |   | 46.2 | 1.8 | 1.5 | 1.0 |   | 2.5 | 28.1 | 13.7            | 5.7                | 744.0 |

## SKY COVER

74-83

NOV

| MONTH  | HOURS<br>LIST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     |      | YEARLY<br>TOTAL<br>TENTHS PER<br>CENT | TOTAL<br>NO. |      |
|--------|---------------|---|-----|---|------|-----|-----|-----|---|-----|------|---------------------------------------|--------------|------|
|        |               | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    |                                       |              | 10   |
| NOV    | 00-02         | 9.7   | 3.1 |   | 37.8 | 2.0 | 2.9 | 1.3 |   | 6.6 | 24.8 | 11.9                                  | 5.4          | 900  |
|        | 03-05         | 12.1  |     |   | 40.9 |     |     |     |   |     | 34.0 | 13.0                                  | 5.6          | 900  |
|        | 06-08         | 6.1   | 3.6 |   | 39.0 | 2.3 | 2.3 | 2.2 |   | 4.2 | 27.0 | 13.2                                  | 5.6          | 900  |
|        | 09-11         | 3.2   |     |   | 46.7 |     |     | .1  |   |     | 34.3 | 15.7                                  | 6.1          | 900  |
|        | 12-14         | .4  | 1.1 |   | 38.6 | 4.1 | 3.3 | 2.1 |   | 4.8 | 29.8 | 15.8                                  | 6.3          | 900  |
|        | 15-17         | .4  |     |   | 46.0 |     |     |     |   |     | 36.1 | 17.4                                  | 6.4          | 900  |
|        | 18-20         | 2.7   | 2.8 |   | 38.8 | 1.9 | 3.1 | 2.1 |   | 5.6 | 27.0 | 16.1                                  | 6.0          | 900  |
|        | 21-23         | 8.7   |     |   | 46.1 |     |     |     |   |     | 32.4 | 12.8                                  | 5.6          | 900  |
|        |               |   |     |   |      |     |     |     |   |     |      |                                       |              |      |
|        |               |   |     |   |      |     |     |     |   |     |      |                                       |              |      |
|        |               |   |     |   |      |     |     |     |   |     |      |                                       |              |      |
| TOTALS |               | 5.4   | 1.3 |   | 41.7 | 1.3 | 1.5 | 1.0 |   | 2.7 | 30.7 | 14.5                                  | 5.9          | 7200 |

## SKY COVER

~~74-83~~

ENC

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     | MEAN<br>TENTH OF<br>TOTAL SKY COVER | TOTAL<br>NUMBER OF<br>OBSERVATIONS |     |      |
|--------|--------------|---|-----|---|------|-----|-----|-----|---|-----|-------------------------------------|------------------------------------|-----|------|
|        |              | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   |                                     |                                    | 9   | 10   |
| DEC    | 00-02        | 13.4  | 3.7 |   | 33.8 | 2.2 | 2.3 | 2.0 |   | 4.2 | 23.8                                | 14.7                               | 5.3 | 930  |
|        | 03-05        | 15.6  |     |   | 41.0 |     |     |     |   |     | 27.1                                | 16.3                               | 5.3 | 930  |
|        | 06-08        | 11.8  | 2.5 |   | 38.6 | 2.4 | 2.5 | 1.6 |   | 3.8 | 22.6                                | 14.3                               | 5.3 | 930  |
|        | 09-11        | 4.0   |     |   | 49.6 |     |     |     |   |     | 29.0                                | 17.4                               | 5.8 | 930  |
|        | 12-14        | 1.4   | 2.2 |   | 44.0 | 2.5 | 3.6 | 1.8 |   | 4.4 | 23.8                                | 16.4                               | 5.9 | 929  |
|        | 15-17        | 1.9   |     |   | 50.8 |     |     |     |   |     | 28.3                                | 19.0                               | 6.0 | 927  |
|        | 18-20        | 5.0   | 2.3 |   | 39.5 | 3.2 | 2.0 | 1.4 |   | 4.6 | 23.5                                | 18.4                               | 5.9 | 927  |
|        | 21-23        | 11.1  |     |   | 46.9 |     |     |     |   |     | 26.3                                | 15.6                               | 5.3 | 927  |
| TOTALS |              | 8.0   | 1.3 |   | 43.0 | 1.3 | 1.3 | .9  |   | 2.1 | 25.6                                | 16.5                               | 5.6 | 7430 |

GLOBAL CLIMATOLOGY BRANCH  
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AIR WEATHER SERVICE/MAC

# SKY COVER

511820 HICKAM AFB HI 74-83 ALL  
STATION NAME PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |      |     |     |     |   |     |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>OBSERVATIONS |
|--------|----------------|---|-----|---|------|-----|-----|-----|---|-----|------|--------------------------------|-----------------------|
|        |                | 0   | 1   | 2 | 3    | 4   | 5   | 6   | 7 | 8   | 9    | 10                             |                       |
| JAN    | ALL            | 9.9   | 1.4 |   | 41.6 | 1.5 | 1.2 | .8  |   | 1.8 | 23.5 | 18.3                           | 5.5 7439              |
| FEB    |                | 10.5  | 1.4 |   | 40.9 | 1.6 | 1.4 | .8  |   | 2.3 | 24.7 | 16.4                           | 5.5 6768              |
| MAR    |                | 5.3   | 1.1 |   | 42.7 | 1.6 | 1.4 | 1.0 |   | 1.9 | 25.5 | 19.5                           | 5.9 7440              |
| APR    |                | 2.4   | .9  |   | 40.2 | 1.7 | 1.6 | 1.3 |   | 2.9 | 31.3 | 17.7                           | 6.3 7200              |
| MAY    |                | 1.8   | .8  |   | 43.3 | 1.9 | 1.6 | 1.1 |   | 2.8 | 32.7 | 14.0                           | 6.1 7440              |
| JUN    |                | 1.1   | .9  |   | 42.6 | 1.4 | 1.8 | 1.4 |   | 3.2 | 33.6 | 13.8                           | 6.2 7200              |
| JUL    |                | 1.4   | 1.0 |   | 49.7 | 1.9 | 1.8 | 1.2 |   | 3.0 | 33.3 | 7.0                            | 5.7 7440              |
| AUG    |                | 3.1   | 1.2 |   | 50.1 | 2.1 | 1.3 | 1.2 |   | 2.7 | 28.8 | 9.6                            | 5.5 7440              |
| SEP    |                | 3.7   | 1.4 |   | 51.4 | 2.1 | 1.5 | 1.1 |   | 2.6 | 28.2 | 8.0                            | 5.3 7200              |
| OCT    |                | 4.0   | 1.2 |   | 46.2 | 1.8 | 1.5 | 1.0 |   | 2.5 | 28.1 | 13.7                           | 5.7 7440              |
| NOV    |                | 5.4   | 1.3 |   | 41.7 | 1.3 | 1.5 | 1.0 |   | 2.7 | 30.7 | 14.5                           | 5.9 7200              |
| DEC    |                | 8.0   | 1.3 |   | 43.0 | 1.3 | 1.3 | .9  |   | 2.1 | 25.6 | 16.5                           | 5.6 7430              |
| TOTALS |                | 4.7   | 1.2 |   | 44.5 | 1.7 | 1.5 | 1.1 |   | 2.5 | 28.9 | 14.1                           | 5.8 87637             |



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

J. RAL CLIMATOLOGY BRANCH  
 USAFETAC  
 THE WEATHER SERVICE/MAC  
 HICKAM AFB HI  
 STATION NAME

# DAILY TEMPERATURES

39-83

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

1917-19

| TEMP °F   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN. A. |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 0         |       | .1    |       |       | .0    | 2.2   | 4.7   | 15.6  | 13.3  | 5.6   | .6    |       | 3.6     |
| 10        | 1.0   | 2.9   | 6.3   | 13.4  | 34.9  | 65.4  | 77.6  | 86.3  | 88.1  | 69.8  | 35.7  | 5.6   | 40.7    |
| 20        | 59.2  | 57.6  | 56.3  | 82.1  | 94.9  | 99.7  | 99.9  | 99.9  | 99.9  | 95.7  | 92.4  | 67.6  | 85.0    |
| 30        | 90.0  | 95.8  | 97.4  | 99.5  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 99.9  | 99.7  | 98.0  | 98.9    |
| 40        | 99.9  | 100.0 | 99.9  | 100.0 | 100.0 |       |       |       |       | 100.0 | 100.0 | 100.0 | 100.0   |
| 50        | 100.0 |       | 100.0 |       |       |       |       |       |       |       |       |       | 100.0   |
| 60        |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 70        |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 80        |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 90        |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 100       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 110       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 120       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 130       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 140       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 150       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 160       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 170       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 180       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 190       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 200       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 210       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 220       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 230       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 240       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 250       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 260       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 270       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 280       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 290       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 300       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 310       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 320       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 330       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 340       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 350       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 360       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 370       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 380       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 390       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 400       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 410       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 420       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 430       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 440       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 450       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 460       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 470       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 480       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 490       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 500       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 510       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 520       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 530       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 540       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 550       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 560       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 570       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 580       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 590       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 600       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 610       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 620       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 630       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 640       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 650       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 660       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 670       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 680       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 690       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 700       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 710       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 720       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 730       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 740       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 750       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 760       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 770       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 780       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 790       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 800       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 810       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 820       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 830       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 840       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 850       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 860       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 870       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 880       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 890       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 900       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 910       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 920       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 930       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 940       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 950       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 960       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 970       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 980       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 990       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| 1000      |       |       |       |       |       |       |       |       |       |       |       |       |         |
| MEAN      | 79.7  | 75.7  | 80.4  | 81.7  | 83.6  | 85.3  | 86.1  | 87.0  | 87.0  | 88.6  | 85.2  | 80.5  | 83.3    |
| S D       | 2.649 | 2.813 | 2.779 | 2.458 | 2.425 | 2.224 | 2.054 | 2.313 | 2.172 | 2.489 | 2.686 | 2.718 | 3.629   |
| TOTAL OBS | 1364  | 1243  | 1364  | 1320  | 1364  | 1320  | 1362  | 1364  | 1350  | 1395  | 1350  | 1395  | 1619    |

NAVY WEATHER SERVICE/MAC  
111720 HICKAM AFB HI

| STATION | STATION NAME |
|---------|--------------|
|---------|--------------|

YEARS

1994

1994

| TEMP °F | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN. A. |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 75      | 65.4  | 65.6  | 66.8  | 68.4  | 70.1  | 72.0  | 73.1  | 73.9  | 73.1  | 72.0  | 69.9  | 67.3  | 68.3    |
| 70      | 3.790 | 3.566 | 3.272 | 2.669 | 2.342 | 1.981 | 1.862 | 1.920 | 2.256 | 2.608 | 3.074 | 3.567 | 4.172   |
| 65      | 1364  | 1243  | 1364  | 1320  | 1364  | 1320  | 1362  | 1364  | 1350  | 1395  | 1350  | 1395  | 15191   |

USAFETAC FORM 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STATION NAME

## DAILY TEMPERATURES

39-63

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

1. A.

| TEMP °F   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 85        |       |       |       |       |       |       |       | .9    | .4    | .1    |       |       | .1     |
| 90        |       |       | .2    | 1.1   | 10.0  | 38.9  | 58.6  | 76.4  | 68.7  | 42.7  | 9.7   | 1.1   | 25.8   |
| 95        | 25.5  | 28.2  | 43.3  | 65.7  | 90.4  | 99.6  | 99.9  | 100.0 | 100.0 | 98.5  | 94.8  | 46.5  | 73.8   |
| 100       | 98.9  | 98.0  | 94.3  | 99.4  | 100.0 | 100.0 | 100.0 |       |       | 100.0 | 99.6  | 95.8  | 97.5   |
| 105       | 99.5  | 99.0  | 100.0 | 100.0 |       |       |       |       |       |       | 100.0 | 100.0 | 100.0  |
| 110       | 100.0 | 100.0 |       |       |       |       |       |       |       |       |       |       | 100.0  |
| 115       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 120       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 125       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 130       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 135       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 140       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 145       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 150       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 155       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 160       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 165       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 170       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 175       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 180       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 185       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 190       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 195       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 200       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 205       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 210       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 215       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 220       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 225       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 230       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 235       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 240       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 245       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 250       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 255       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 260       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 265       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 270       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 275       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 280       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 285       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 290       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 295       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 300       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| MEAN      | 72.8  | 72.9  | 73.8  | 75.3  | 77.1  | 78.9  | 79.8  | 80.7  | 80.3  | 79.1  | 76.7  | 74.1  | 76.8   |
| S D       | 2.545 | 2.551 | 2.576 | 2.121 | 1.937 | 1.706 | 1.636 | 1.760 | 1.789 | 2.057 | 2.297 | 2.469 | 3.541  |
| TOTAL OBS | 1364  | 1243  | 1364  | 1320  | 1364  | 1320  | 1362  | 1364  | 1350  | 1395  | 1350  | 1395  | 16191  |

USAFETAC FORM 0-215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATIONAL CLIMATOLOGY BRANCH  
 AFMSTAC  
 U.S. WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION HICKAM AFB HI STATION NAME 39-83 YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH     | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| YEAR      |     |     |     |     |     |     |     |     |     |     |     |     |            |
| 40        | 82  | 83  | 85  | 85  | 87  | 86  | 86  | 88  | 88  | 88  | 88  | 84  | 87         |
| 41        | 83  | 82  | 82  | 85  | 85  | 86  | 86  | 90  | 91  | 90  | 90  | 86  | 87         |
| 42        | 83  | 82  | 81  | 82  | 88  | *   | 85  | 89  | 89  | 89  | 88  | 84  | 87         |
| 43        | 86  | 83  | 85  | 86  | 85  | 87  | 87  | 88  | 86  | 85  | 86  | 84  | 86         |
| 44        | 85  | 85  | 82  | 83  | 86  | 86  | 86  | 88  | 89  | 88  | 88  | 84  | 86         |
| 45        | 85  | 85  | 85  | 86  | 90  | 92  | 91  | 92  | 90  | 90  | 88  | 87  | 89         |
| 46        | 85  | 84  | 85  | 85  | 90  | 92  | 90  | 92  | 92  | 90  | 90  | 86  | 89         |
| 47        | 84  | 84  | 85  | 86  | 87  | 88  | 90  | 89  | 89  | 88  | 88  | 84  | 87         |
| 48        | 82  | 83  | 82  | 84  | 85  | 86  | 86  | 89  | 89  | 87  | 88  | 86  | 86         |
| 49        | 81  | 81  | 81  | 80  | 85  | 85* | 87  | 85  | 85  | 86  | 83  | 80  | 87         |
| 50        | 82  | 82  | 83  | 82  | 84  | 86  | 85  | 87  | 87  | 87  | 86  | 82  | 87         |
| 51        | 82  | 83  | 83  | 83  | 84  | 86  | 87  | 89  | 86  | 87  | 85  | 82  | 86         |
| 52        | 82  | 82  | 81  | 81  | 83  | 84  | 85  | 88  | 86  | 85  | 84  | 81  | 86         |
| 53        | 83  | 84  | 83  | 84  | 85  | 85  | 85  | 88  | 87  | 86  | 82  | 81  | 86         |
| 54        | 83  | 82  | 84  | 85  | 84  | 85  | 85  | 88  | 87  | 85  | 86  | 82  | 86         |
| 55        | 83  | 80  | 81  | 82  | 82  | 83  | 85  | 85  | 86  | 84  | 84  | 80  | 86         |
| 56        | 84  | 82  | 82  | 85  | 84  | 84  | 87  | 88  | 87  | 86  | 85  | 84  | 86         |
| 57        | 84  | 81  | 81  | 85  | 86  | 87  | 87  | 90  | 88  | 88  | 87  | 86  | 87         |
| 58        | 84  | 86  | 85  | 86  | 88  | 86  | 88  | 87  | 86  | 86  | 89  | 84  | 87         |
| 59        | 86  | 83  | 85  | 86  | 88  | 88  | 89  | 92  | 92  | 90  | 88  | 85  | 87         |
| 60        | 83  | 84  | 89  | 85  | 85  | 89  | 87  | 89  | 89  | 90  | 87  | 87  | 87         |
| 61        | 85  | 85  | 86  | 85  | 87  | 87  | 89  | 88  | 88  | 90  | 87  | 85  | 87         |
| 62        | 84  | 85  | 84  | 86  | 86  | 88  | 89  | 87  | 88  | 88  | 86  | 84  | 86         |
| 63        | 81  | 84  | 83  | 84  | 87  | 87  | 89  | 91  | 91  | 85  | 89  | 84  | 87         |
| 64        | 83  | 84  | 84  | 86  | 85  | 87  | 87  | 90  | 89  | 88  | 88  | 84  | 87         |
| 65        | 81  | 83  | 83  | 85  | 86  | 86  | 89  | 89  | 93  | 91  | 88  | 83  | 87         |
| 66        | 83  | 84  | 86  | 86  | 90  | 90  | 90  | 91  | 93  | 92  | 87  | 85  | 87         |
| 67        | 84  | 84  | 83  | 88  | 88  | 91  | 90  | 91  | 92  | 92  | 87  | 85  | 87         |
| 68        | 83  | 83  | 86  | 87  | 91  | 89  | 92  | 92  | 92  | 92  | 90  | 84  | 87         |
| MEAN      |     |     |     |     |     |     |     |     |     |     |     |     |            |
| S D       |     |     |     |     |     |     |     |     |     |     |     |     |            |
| TOTAL OBS |     |     |     |     |     |     |     |     |     |     |     |     |            |

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

## EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

|         |               |
|---------|---------------|
| 11327   | HICKAM AFB HI |
| STATION | STATION NAME  |

32-53

**YEARS**

\*HOLE DEGREES FAHRENHEIT

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 2-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

11420 HICKAM AFB HI  
STATION STATION NAME

39-33  
YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH      | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| YEAR       |     |     |     |     |     |     |     |     |     |     |     |     |            |
| 70         |     |     |     |     |     | 58  | 57  | 68  | 66  | 65  | 66  | 64  | 64         |
| 40         | 50  | 57  | 59  | 60  | 60  | 69  | 70  | 72  | 68  | 68  | 68  | 68  | 67         |
| 41         | 40  | 56  | 60  | 63  | 65  | 66  | 70  | 69  | 71  | 67  | 67  | 68  | 66         |
| 42         | 58  | 60  | 58  | 60  | 66  | *   | 72  |     | 71  | 68  | 68  | 68  | 67         |
| 43         | 59  | 57  | 57  | 63  | 68  | 70  | 70  | 72  | 68  | 68  | 68  | 68  | 67         |
| 44         | 52  | 60  | 60  | 64  | 65  | 69  | 70  | 70  | 68  | 68  | 68  | 68  | 67         |
| 45         | 50  | 60  | 64  | 60  | 65  | 70  | 66  | 70  | 68  | 68  | 68  | 68  | 67         |
| 46         | 60  | 62  | 65  | 63  | 63  | 70  | 70  | 70  | 70  | 62  | 60  | 60  | 60         |
| 47         | 57  | 60  | 62  | 64  | 67  | 68  | 71  | 69  | 70  | 69  | 65  | 64  | 60         |
| 48         | 60  | 59  | 63  | 61  | 67  | 69  | 71  | 71  | 72  | 70  | 65  | 66  | 60         |
| 49         | 61  | 62  | 62  | 64  | 55  | 69* | 69  | 71  | 70  | 66  | 62  | 64  | 61         |
| 50         | 62  | 64  | 63  | 65  | 66  | 67  | 69  | 69  | 67  | 68  | 64  | 64  | 61         |
| 51         | 60  | 57  | 62  | 62  | 67  | 68  | 70  | 72  | 69  | 69  | 70  | 66  | 60         |
| 52         | 60  | 63  | 61  | 65  | 63  | 70  | 71  | 72  | 69  | 68  | 67  | 62  | 60         |
| 53         | 59  | 62  | 61  | 65  | 60  | 70  | 70  | 70  | 69  | 68  | 64  | 57  | 60         |
| 54         | 59  | 55  | 57  | 61  | 64  | 71  | 70  | 72  | 69  | 68  | 66  | 57  | 60         |
| 55         | 61  | 61  | 55  | 66  | 68  | 65  | 66  | 68  | 68  | 64  | 65  | 63  | 60         |
| 56         | 62  | 62  | 61  | 62  | 67  | 69  | 68  | 71  | 69  | 69  | 64  | 59  | 60         |
| 57         | 61  | 58  | 57  | 60  | 64  | 67  | 71  | 69  | 67  | 65  | 69  | 62  | 57         |
| 58         | 60  | 59  | 56  | 56  | 67  | 68  | 66  | 70  | 69  | 66  | 59  | 56  | 64         |
| 59         | 56  | 59  | 62  | 63  | 65  | 66  | 69  | 70  | 71  | 68  | 66  | 63  | 66         |
| 60         | 58  | 56  | 59  | 64  | 66  | 70  | 70  | 72  | 70  | 68  | 65  | 62  | 66         |
| 61         | 59  | 63  | 64  | 62  | 70  | 69  | 69  | 71  | 70  | 67  | 66  | 64  | 66         |
| 62         | 63  | 55  | 62  | 65  | 66  | 69  | 70  | 71  | 69  | 64  | 63  | 54  | 64         |
| 63         | 50  | 58  | 60  | 66  | 65  | 67  | 69  | 70  | 68  | 65  | 64  | 61  | 66         |
| 64         | 64  | 64  | 62  | 66  | 65  | 65  | 69  | 70  | 70  | 66  | 61  | 54  | 61         |
| 65         | 61  | 57  | 58  | 62  | 67  | 70  | 70  | 67  | 68  | 65  | 67  | 63  | 67         |
| 66         | 59  | 57  | 62  | 60  | 65  | 72  | 71  | 70  | 71  | 66  | 66  | 60  | 67         |
| 67         | 59  | 62  | 61  | 62  | 68  | 68  | 72  | 71  | 69  | 69  | 65  | 59  | 68         |
| 68         | 59  | 62  | 65  | 64  | 66  | 68  | 70  | 69  | 70  | 68  | 67  | 59  | 69         |
| MEAN       |     |     |     |     |     |     |     |     |     |     |     |     |            |
| S.D.       |     |     |     |     |     |     |     |     |     |     |     |     |            |
| TOTAL OBS. |     |     |     |     |     |     |     |     |     |     |     |     |            |

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)





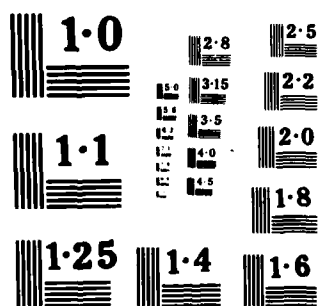


UNCLASSIFIED

HICKAM AFB HAWAII REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 85  
USAFETAC/DS-85/014 F/G 4/2

NL

[illegible]



## PSYCHROMETRIC SUMMARY

JA  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |  |  |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |  |
| 72/ 77       |                                     |      | .2   | .5  |     |      |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        |          |           |  |       |  |  |  |
| 75/ 75       |                                     | 1.2  | 2.9  | 2.9 | .5  | .2   |       |       |       |       |       |       |       |       |       |       |      | 71        | 71       | 2        | 6         |  |       |  |  |  |
| 74/ 73       |                                     | .8   | 3.2  | 3.5 | 1.7 | .3   |       |       |       |       |       |       |       |       |       |       |      | 69        | 89       | 22       | 6         |  |       |  |  |  |
| 76/ 71       |                                     | 2.9  | 6.7  | 3.1 | 1.7 | .9   |       |       |       |       |       |       |       |       |       |       |      | 135       | 135      | 45       | 22        |  |       |  |  |  |
| 71/ 69       |                                     | 4.5  | 7.0  | 2.2 | 1.0 | .2   |       |       |       |       |       |       |       |       |       |       |      | 138       | 138      | 96       | 61        |  |       |  |  |  |
| 66/ 67       |                                     | 6.2  | 4.6  | 1.2 | .5  |      |       |       |       |       |       |       |       |       |       |       |      | 117       | 117      | 145      | 97        |  |       |  |  |  |
| 68/ 65       |                                     | 12.3 | 3.4  | 1.2 | .4  |      |       |       |       |       |       |       |       |       |       |       |      | 161       | 161      | 188      | 150       |  |       |  |  |  |
| 64/ 63       | .2                                  | 9.0  | 1.9  | .4  | .5  |      |       |       |       |       |       |       |       |       |       |       |      | 113       | 113      | 190      | 184       |  |       |  |  |  |
| 62/ 61       | .2                                  | 4.0  | 1.5  | .3  |     |      |       |       |       |       |       |       |       |       |       |       |      | 56        | 56       | 117      | 167       |  |       |  |  |  |
| 62/ 59       |                                     | 2.9  | .9   |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 34        | 34       | 74       | 119       |  |       |  |  |  |
| 66/ 57       |                                     | .9   | .1   |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 85       | 72        |  |       |  |  |  |
| 66/ 55       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 6        | 41        |  |       |  |  |  |
| 64/ 53       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 19        |  |       |  |  |  |
| 62/ 51       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |  |       |  |  |  |
| 63/ 49       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |       |  |  |  |
| TOTL         | .444                                | .431 | .715 | .4  | 6.5 | 1.6  |       |       |       |       |       |       |       |       |       |       |      | 930       |          | 930      | 930       |  |       |  |  |  |

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

11020 HICKAM AFB HI

74-83

2. E's

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0635-0300

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

## PSYCHROMETRIC SUMMARY

74-83

STATION NAME

YEARS

34.4  
MONTH

PAGE 1

1276-14.5  
HOURS I. S. T.

[illegible]



## PSYCHROMETRIC SUMMARY

11323  
STATION

HICKAM AFB HI

74-83

444  
MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 82/ 81       |                                     |     |      |      |      | .1   |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 80/ 79       |                                     |     |      |      | .4   |      | .1    |       |       |       |       |       |       |       |       |       |      | 5         | 5        |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 78/ 77       |                                     | .1  | 2.4  | 3.8  | 3.3  | 1.1  | .4    |       |       |       |       |       |       |       |       |       |      | 103       | 103      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 76/ 75       |                                     | .2  | 4.9  | 11.2 | 13.1 | 4.1  | .5    | .1    |       |       |       |       |       |       |       |       |      | 230       | 290      | 3        |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 74/ 73       |                                     | 1.5 | 3.0  | 11.7 | 7.1  | 2.7  | .4    |       |       |       |       |       |       |       |       |       |      | 246       | 246      | 38       | 7         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 72/ 71       |                                     | .8  | 4.3  | 4.7  | 4.5  | .5   |       |       |       |       |       |       |       |       |       |       |      | 141       | 141      | 132      | 45        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 70/ 69       |                                     | .4  | 2.4  | 3.3  | 2.4  | 1.1  |       |       |       |       |       |       |       |       |       |       |      | 89        | 80       | 156      | 90        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 68/ 67       |                                     | .2  | 1.2  | .9   | 1.2  | .1   |       |       |       |       |       |       |       |       |       |       |      | 33        | 37       | 235      | 180       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 66/ 65       |                                     |     | .5   | .8   | .4   |      |       |       |       |       |       |       |       |       |       |       |      | 16        | 16       | 174      | 147       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 64/ 63       |                                     | .1  |      | .2   |      |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 93       | 182       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 62/ 61       |                                     | .2  |      | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 3         |          | 40       | 126       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 60/ 59       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 22       | 103       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 58/ 57       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 6        | 46        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 56/ 55       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 33        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 54/ 53       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 9         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 52/ 51       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 10        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| TOTAL        |                                     | 3.3 | 19.7 | 36.7 | 29.5 | 9.7  | 1.5   | .1    |       |       |       |       |       |       |       |       |      |           | 930      | 930      | 930       | 930 |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |

## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2   | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Wet Point |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 77       |                                     |       |      |     | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 75/ 77       |                                     | .7    | 1.6  | .9  |     |      |       |       |       |       |       |       |       |       |       |       |      | 26        | 26       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 75       |                                     | .6    | 4.9  | 6.5 | 2.3 | .1   | .1    |       |       |       |       |       |       |       |       |       |      | 135       | 135      | 3        |           |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 71       |                                     | 1.4   | 4.3  | 9.5 | 3.9 | 1.5  |       |       |       |       |       |       |       |       |       |       |      | 191       | 191      | 36       | 12        |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     | 1.7   | 8.9  | 5.3 | 3.1 | .6   |       |       |       |       |       |       |       |       |       |       |      | 183       | 183      | 75       | 58        |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     | 2.9   | 10.5 | 3.2 | 2.7 | .5   |       |       |       |       |       |       |       |       |       |       |      | 186       | 186      | 146      | 73        |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     | 1.8   | 5.8  | 2.4 | 1.3 | .7   |       |       |       |       |       |       |       |       |       |       |      | 106       | 106      | 220      | 123       |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | 1.5   | 2.2  | 2.4 | .6  |      |       |       |       |       |       |       |       |       |       |       |      | 62        | 62       | 189      | 163       |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | 1.9   | 1.1  | .9  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 26        | 26       | 125      | 194       |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | .3    | .4   | .2  |     |      |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 73       | 115       |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     | .1    |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 42       | 77        |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 21       | 59        |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 37        |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 11.739                              | 931.2 | 14.1 | 3.1 | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 970       | 930      | 930      | 930       |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σx <sup>2</sup> | Σx    | $\bar{x}$ | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|-----------------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5692571         | 72329 | 77.8      | 8.513          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4704064         | 66064 | 71.0      | 3.457          | 930      |                                    |        | 83.0   | 35.3   |        |        | 57    |
| Wet Bulb    | 4116407         | 61783 | 66.4      | 3.567          | 930      |                                    |        | 49.7   | 3.9    |        |        | 97    |
| Dew Point   | 3789707         | 59225 | 63.7      | 4.413          | 930      |                                    |        | 24.6   | 1.2    |        |        | 93    |

## PSYCHROMETRIC SUMMARY

74-83

446

MONTH

2427 1

ALL  
HOURS 11.5.7

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 1 / 97       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |       |  |
| 2 / 96       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        |          |           |  |       |  |
| 3 / 95       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        |          |           |  |       |  |
| 4 / 94       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        |          |           |  |       |  |
| 5 / 93       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        |          |           |  |       |  |
| 6 / 92       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        |          |           |  |       |  |
| 7 / 91       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        |          |           |  |       |  |
| 8 / 90       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        |          |           |  |       |  |
| 9 / 89       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        |          |           |  |       |  |
| 10 / 88      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 10        | 10       |          |           |  |       |  |
| 11 / 87      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       |          |           |  |       |  |
| 12 / 86      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 12        | 12       |          |           |  |       |  |
| 13 / 85      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 13        | 13       |          |           |  |       |  |
| 14 / 84      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 14        | 14       |          |           |  |       |  |
| 15 / 83      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 15        | 15       |          |           |  |       |  |
| 16 / 82      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 16        | 16       |          |           |  |       |  |
| 17 / 81      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 17        | 17       |          |           |  |       |  |
| 18 / 80      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 18        | 18       |          |           |  |       |  |
| 19 / 79      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 19        | 19       |          |           |  |       |  |
| 20 / 78      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 20        | 20       |          |           |  |       |  |
| 21 / 77      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 21        | 21       |          |           |  |       |  |
| 22 / 76      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 22        | 22       |          |           |  |       |  |
| 23 / 75      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 23        | 23       |          |           |  |       |  |
| 24 / 74      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 24        | 24       |          |           |  |       |  |
| 25 / 73      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 25        | 25       |          |           |  |       |  |
| 26 / 72      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 26        | 26       |          |           |  |       |  |
| 27 / 71      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 27        | 27       |          |           |  |       |  |
| 28 / 70      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 28        | 28       |          |           |  |       |  |
| 29 / 69      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 29        | 29       |          |           |  |       |  |
| 30 / 68      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 30        | 30       |          |           |  |       |  |
| 31 / 67      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 31        | 31       |          |           |  |       |  |
| 32 / 66      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 32        | 32       |          |           |  |       |  |
| 33 / 65      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 33        | 33       |          |           |  |       |  |
| 34 / 64      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 34        | 34       |          |           |  |       |  |
| 35 / 63      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 35        | 35       |          |           |  |       |  |
| 36 / 62      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 36        | 36       |          |           |  |       |  |
| 37 / 61      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 37        | 37       |          |           |  |       |  |
| 38 / 60      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 38        | 38       |          |           |  |       |  |
| 39 / 59      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 39        | 39       |          |           |  |       |  |
| 40 / 58      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 40        | 40       |          |           |  |       |  |
| 41 / 57      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 41        | 41       |          |           |  |       |  |
| 42 / 56      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 42        | 42       |          |           |  |       |  |
| 43 / 55      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 43        | 43       |          |           |  |       |  |
| 44 / 54      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 44        | 44       |          |           |  |       |  |
| 45 / 53      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 45        | 45       |          |           |  |       |  |
| 46 / 52      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 46        | 46       |          |           |  |       |  |
| 47 / 51      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 47        | 47       |          |           |  |       |  |
| 48 / 50      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 48        | 48       |          |           |  |       |  |
| 49 / 49      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 49        | 49       |          |           |  |       |  |
| 50 / 48      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 50        | 50       |          |           |  |       |  |
| TOTAL        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 7440      | 7440     |          |           |  |       |  |

| Element (X) | Σ X²     | Σ X    | Σ    | Σ      | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|----------|--------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 42612430 | 555712 | 74.7 | 12.187 | 7440     | ≥ 0 F                              | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb    | 39462244 | 540564 | 72.7 | 5.272  | 7440     |                                    |        | 635.5  | 407.2  | 68.2   |        | 744   |
| Wet Bulb    | 33575349 | 498981 | 67.1 | 3.846  | 7440     |                                    |        | 434.9  | 50.0   |        |        | 744   |
| Dew Point   | 30466398 | 474992 | 63.8 | 4.361  | 7440     |                                    |        | 213.9  | 6.0    |        |        | 744   |

## PSYCHROMETRIC SUMMARY

74-23

FF3

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

0000-0000

**HOURS** 11:30 A.M. - 5:00 P.M.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |       |  |
| 70/ 77       |                                     |      |      |      | .1   |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |       |  |       |  |
| 76/ 75       |                                     | .2   | .5   | 2.4  | 1.1  | .1   |       |       |       |       |       |       |       |       |       |       |     | 40        | 40       |          |           |       |  |       |  |
| 74/ 73       |                                     | .4   | 2.2  | 8.9  | 2.6  | .7   | .1    |       |       |       |       |       |       |       |       |       |     | 126       | 126      | 2        |           |       |  |       |  |
| 76/ 71       |                                     | 1.6  | 11.0 | 4.3  | 3.5  | 1.5  |       |       |       |       |       |       |       |       |       |       |     | 197       | 167      | 24       | 7         |       |  |       |  |
| 70/ 69       |                                     | 1.7  | 7.8  | 2.1  | 3.2  | .4   |       |       |       |       |       |       |       |       |       |       |     | 128       | 128      | 75       | 21        |       |  |       |  |
| 66/ 67       |                                     | 2.1  | 5.3  | 3.0  | .9   |      |       |       |       |       |       |       |       |       |       |       |     | 109       | 109      | 195      | 73        |       |  |       |  |
| 68/ 65       |                                     | 5.0  | 7.1  | 1.4  | 1.1  | .1   |       |       |       |       |       |       |       |       |       |       |     | 132       | 132      | 141      | 139       |       |  |       |  |
| 64/ 63       | .1                                  | 3.1  | 3.7  | 1.7  |      |      |       |       |       |       |       |       |       |       |       |       |     | 72        | 72       | 154      | 170       |       |  |       |  |
| 61/ 61       |                                     | 2.1  | 1.4  | .4   | .1   |      |       |       |       |       |       |       |       |       |       |       |     | 34        | 34       | 132      | 112       |       |  |       |  |
| 61/ 59       |                                     | .5   | .4   | .4   |      |      |       |       |       |       |       |       |       |       |       |       |     | 14        | 14       | 70       | 129       |       |  |       |  |
| 63/ 57       |                                     | .1   | .1   |      |      |      |       |       |       |       |       |       |       |       |       |       |     | 2         | 2        | 30       | 103       |       |  |       |  |
| 65/ 55       |                                     | .1   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        | 9        | 47        |       |  |       |  |
| 64/ 52       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 3        | 23        |       |  |       |  |
| 62/ 51       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 11        |       |  |       |  |
| 60/ 49       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 4         |       |  |       |  |
| TOTAL        |                                     | .116 | .042 | .024 | .312 | .6   | 2.5   | .1    |       |       |       |       |       |       |       |       |     |           | 846      | 846      | 246       |       |  |       |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5293861          | 56445 | 78.5 | 8.788          | 846      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4031757          | 58308 | 68.9 | 3.929          | 846      |                                    |        | 56.7   | 16.6   |        |        | 4     |
| Wet Bulb    | 3538917          | 54635 | 64.6 | 3.536          | 846      |                                    |        | 29.5   | .2     |        |        | 4     |
| Dew Point   | 3254953          | 52361 | 61.9 | 4.109          | 846      |                                    |        | 10.7   |        |        |        | 4     |

## PSYCHROMETRIC SUMMARY

556

MONTH

0305-0500

| HOURS |   |   |
|-------|---|---|
| 1     | 2 | 3 |

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 77/ 77       |                                     |      |      |      | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 76/ 75       |                                     |      | 1.5  | .9   | .5  | .1   |       |       |       |       |       |       |       |       |       |       |      | 26        | 26       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 74/ 73       |                                     | .5   | 1.9  | 4.7  | 1.8 | .7   |       |       |       |       |       |       |       |       |       |       |      | 75        | 75       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 71/ 71       |                                     | 1.2  | 7.6  | 4.7  | 7.9 | .8   |       |       |       |       |       |       |       |       |       |       |      | 154       | 154      | 24       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 70/ 69       |                                     | 7.1  | 9.1  | 7.3  | 3.5 | .4   |       |       |       |       |       |       |       |       |       |       |      | 113       | 157      | 54       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 67/ 67       |                                     | 4.4  | 6.7  | 1.9  | .5  |      |       |       |       |       |       |       |       |       |       |       |      | 119       | 109      | 146      | 25        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 67/ 65       |                                     | 4.7  | 5.4  | 1.9  | .6  | .2   |       |       |       |       |       |       |       |       |       |       |      | 119       | 109      | 174      | 127       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 64/ 63       |                                     | 7.8  | 3.4  | 1.2  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 107       | 157      | 144      | 161       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 63/ 61       |                                     | 4.3  | 3.1  | .5   |     |      |       |       |       |       |       |       |       |       |       |       |      | 86        | 86       | 144      | 127       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 61/ 59       |                                     | 1.5  | 1.5  |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 35        | 35       | 82       | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 57/ 57       |                                     | .7   | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        | 56       | 54        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 56/ 55       |                                     | .5   | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 5         |          | 16       | 69        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 54/ 53       |                                     | .1   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 5        | 37        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 50/ 51       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 50/ 49       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        | 20.6                                | 39.6 | 18.9 | 11.1 | 1.8 |      |       |       |       |       |       |       |       |       |       |       |      |           | 846      |          | 946       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 846       |          | 846      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 55795.2          | 55284 | 60.7 | 9.973          | 846      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 3891256          | 57267 | 67.7 | 4.313          | 846      |                                    |        | 51.2   | 9.9    |        |        | 64    |
| Wet Bulb    | 3461460          | 54024 | 63.9 | 3.703          | 846      |                                    |        | 22.2   |        |        |        | 64    |
| Dew Point   | 3209435          | 51991 | 61.5 | 4.117          | 846      |                                    |        | 8.3    |        |        |        |       |

## PSYCHROMETRIC SUMMARY

YEARS

55.

245-1

0600-4200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |          |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | O.B.W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 77      |                                     |      |      |      | .1   |      |       | .1    |       |       |       |       |       |       |       |       |    | 72       | 72       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75 / 75      |                                     |      | 1.3  | 1.3  | .7   |      |       |       |       |       |       |       |       |       |       |       |    | 70       | 70       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73 / 73      |                                     | .1   | 2.0  | 5.9  | 2.4  | .2   |       |       |       |       |       |       |       |       |       |       |    | 68       | 68       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71 / 71      |                                     | 1.2  | 2.2  | 4.3  | 3.2  | 1.3  | .1    |       |       |       |       |       |       |       |       |       |    | 66       | 66       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69 / 69      |                                     | 2.8  | 7.7  | 2.7  | 4.1  | .5   |       |       |       |       |       |       |       |       |       |       |    | 64       | 64       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 / 67      |                                     | 3.2  | 4.1  | 1.7  | 1.1  |      |       |       |       |       |       |       |       |       |       |       |    | 62       | 62       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65 / 65      |                                     | 7.7  | 4.1  | 1.3  | .2   | .2   |       |       |       |       |       |       |       |       |       |       |    | 60       | 60       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64 / 61      | .1                                  | 7.3  | 2.1  | 1.1  | .1   |      |       |       |       |       |       |       |       |       |       |       |    | 59       | 59       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 / 61      |                                     | 4.6  | 1.8  | .2   |      |      |       |       |       |       |       |       |       |       |       |       |    | 57       | 57       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60 / 59      |                                     | 3.4  | .6   | .2   |      |      |       |       |       |       |       |       |       |       |       |       |    | 55       | 55       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 57      |                                     | .7   | .2   |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 53       | 53       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56 / 55      |                                     | .6   | .1   |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 51       | 51       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54 / 52      |                                     | .2   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 49       | 49       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52 / 51      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 47       | 47       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50 / 49      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 45       | 45       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48 / 47      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 43       | 43       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | .132 | .534 | .918 | .711 | .9   | .2    |       |       |       |       |       |       |       |       |       |    | 645      | 645      |          | 645       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 5562048     | 66166      | 80.6      | 9.577      | 846      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Dry Bulb    | 3915769     | 57435      | 67.9      | 4.419      | 846      |                                    |                         | 52.4                    | 12.3                    |                         |                         |       |
| Wet Bulb    | 3478049     | 54155      | 64.1      | 3.677      | 846      |                                    |                         | 23.6                    | .1                      |                         |                         |       |
| Dew Point   | 3222443     | 52099      | 61.6      | 4.377      | 846      |                                    |                         | 8.4                     |                         |                         |                         |       |

## PSYCHROMETRIC SUMMARY

74-23

STATION

STATION NAME

YEARS

Figure 1

MON T

6428

NOJRS 5

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 77/ 23       |                                     |      |      |      |      | .1   | .2    | .2    | .1    |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
| 77/ 31       |                                     |      |      | .1   | .2   | .2   | 1.2   | .7    | .1    |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
| 77/ 79       |                                     |      |      | .2   | 2.1  | 7.1  | 3.4   | .8    | .1    |       |       |       |       |       |       |       |      | 120       | 120      |          |           |  |       |  |
| 77/ 77       |                                     |      | .2   | 2.7  | 8.6  | 5.2  | 4.1   | 1.1   |       |       |       |       |       |       |       |       |      | 103       | 157      |          |           |  |       |  |
| 75/ 75       |                                     |      | 1.2  | 5.4  | 7.7  | 5.6  | 2.2   | .4    |       |       |       |       |       |       |       |       |      | 109       | 197      |          |           |  |       |  |
| 74/ 70       |                                     | .4   | 2.8  | 6.9  | 3.5  | 4.8  | .6    | .2    |       |       |       |       |       |       |       |       |      | 100       | 160      |          |           |  |       |  |
| 77/ 71       |                                     | .5   | 2.6  | 2.0  | 2.1  | .7   | .4    |       |       |       |       |       |       |       |       |       |      | 70        | 70       | 19       | 17        |  |       |  |
| 77/ 69       |                                     | .4   | 1.4  | 2.8  | 1.3  | .4   |       |       |       |       |       |       |       |       |       |       |      | 46        | 46       | 203      | 54        |  |       |  |
| 77/ 67       |                                     | .2   | .5   | .4   |      | .1   |       |       |       |       |       |       |       |       |       |       |      | 10        | 10       | 106      | 106       |  |       |  |
| 76/ 60       |                                     | .2   | .1   | .2   | .1   |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 171      | 171       |  |       |  |
| 77/ 58       |                                     |      |      | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 10       | 106       |  |       |  |
| 77/ 61       |                                     |      | .1   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 21       | 106       |  |       |  |
| 77/ 62       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        | 114       |  |       |  |
| 77/ 67       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 106       |  |       |  |
| 77/ 55       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 106       |  |       |  |
| 74/ 50       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 106       |  |       |  |
| 77/ 51       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 106       |  |       |  |
| TOTAL        | 1.7                                 | 3.52 | 7.26 | 7.26 | 12.8 | 3.2  | .4    |       |       |       |       |       |       |       |       |       |      | 840       | 140      | 500      | 540       |  |       |  |

| Element (X) | Σ X'    | Σ X   | Σ    | Σ <sub>n</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
|             |         |       |      |                |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Rel. Hum.   | 3748501 | 55691 | 65.6 | 9.277          | 846      |                                    |        |        |        |        |        |       |
| Dry Bulb    | 4841123 | 63937 | 75.6 | 3.271          | 846      |                                    |        | 63.2   | 73.7   | 8.9    |        | 54    |
| Wet Bulb    | 3883853 | 57271 | 67.7 | 2.763          | 846      |                                    |        | 57.5   | 2.2    |        |        | 54    |
| Dew Point   | 3386667 | 53426 | 63.2 | 3.883          | 846      |                                    |        | 16.7   | .1     |        |        | 54    |



## PSYCHROMETRIC SUMMARY

PAGE 1 1200-1450  
HOURS (L. S. T.)

[illegible]USAFETAC  
FORM  
JUL 64  
0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

11425  
STATION

HILKAM AF3 HI

74-83

476

STATION

STATION NAME

YEARS

MONTH

FILE 1

1500-1700  
HOURS L. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

FE  
MONTH

PAGE 1 1825-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |       |  |
| 81           |                                     |     |      |      |      |      | .1    |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |       |  |       |  |
| 79           |                                     |     |      | .1   | .6   | .7   | .4    |       |       |       |       |       |       |       |       |       |      | 15        | 15       |          |           |       |  |       |  |
| 77           |                                     |     | .4   | 1.9  | 5.1  | 4.4  | .5    |       |       |       |       |       |       |       |       |       |      | 106       | 106      |          |           |       |  |       |  |
| 75           |                                     | .1  | 1.2  | 7.5  | 12.3 | 4.3  | 1.2   | .2    |       |       |       |       |       |       |       |       |      | 227       | 227      |          |           |       |  |       |  |
| 73           |                                     | .1  | 2.7  | 11.6 | 6.5  | 5.8  | .7    |       |       |       |       |       |       |       |       |       |      | 232       | 232      | 13       |           |       |  |       |  |
| 71           |                                     | .4  | 3.4  | 3.3  | 7.4  | 2.7  | .2    |       |       |       |       |       |       |       |       |       |      | 146       | 146      | 43       | 11        |       |  |       |  |
| 69           |                                     |     | 3.1  | 2.6  | 2.7  | .8   | .1    |       |       |       |       |       |       |       |       |       |      | 74        | 74       | 151      | 29        |       |  |       |  |
| 67           |                                     | .2  | .5   | .2   | 1.7  | .1   |       |       |       |       |       |       |       |       |       |       |      | 28        | 28       | 256      | 64        |       |  |       |  |
| 65           |                                     | .2  | .1   | .4   | .2   | .2   |       |       |       |       |       |       |       |       |       |       |      | 10        | 10       | 152      | 173       |       |  |       |  |
| 63           |                                     | .1  |      | .4   |      |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 126      | 195       |       |  |       |  |
| 61           |                                     |     | .1   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 49       | 127       |       |  |       |  |
| 59           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 21       | 195       |       |  |       |  |
| 57           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 67        |       |  |       |  |
| 55           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 52        |       |  |       |  |
| 53           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 16        |       |  |       |  |
| 51           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |       |  |
| 49           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |       |  |
| 47           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |  |       |  |
| TOTAL        |                                     | 1.2 | 11.5 | 25.0 | 36.5 | 19.0 | 3.5   | .2    |       |       |       |       |       |       |       |       |      | 846       | 346      | 346      | 846       |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | </        |       |  |       |  |

## PSYCHROMETRIC SUMMARY

2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |         |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    |          | TOTAL     |  |  |
|--------------|-------------------------------------|-------|---------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|
|              | 0                                   | 1-2   | 3-4     | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |
| 77           |                                     |       |         |      | .1  | .1   |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        |          |           |  |  |
| 75           |                                     | .1    | 1.2     | 4.4  | 7.7 | .5   |       |       |       |       |       |       |       |       |       |       |      | 84        | 84       |          |           |  |  |
| 73           |                                     |       | 1.2     | 5.1  | 5.2 | 2.2  | .2    |       |       |       |       |       |       |       |       |       |      | 220       | 220      | 5        |           |  |  |
| 71           |                                     | 1.1   | 7.4     | 8.4  | 5.3 | 1.5  | .1    |       |       |       |       |       |       |       |       |       |      | 202       | 202      | 20       | 6         |  |  |
| 69           |                                     | .8    | 5.4     | 5.3  | 3.7 | .6   |       |       |       |       |       |       |       |       |       |       |      | 142       | 142      | 27       | 24        |  |  |
| 67           |                                     | 1.4   | 5.4     | 5.0  | 1.3 |      |       |       |       |       |       |       |       |       |       |       |      | 111       | 111      | 256      | 57        |  |  |
| 65           |                                     | .6    | 1.5     | 2.5  | .6  |      |       |       |       |       |       |       |       |       |       |       |      | 47        | 47       | 165      | 156       |  |  |
| 63           |                                     | .4    | 1.2     | .3   | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 23        | 23       | 163      | 213       |  |  |
| 61           |                                     | .2    | .7      | .5   |     |      |       |       |       |       |       |       |       |       |       |       |      | 12        | 12       | 93       | 108       |  |  |
| 59           |                                     | .1    | .1      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 37       | 123       |  |  |
| 57           |                                     | .1    |         |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 15       | 66        |  |  |
| 55           |                                     |       |         |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 5        | 47        |  |  |
| 53           |                                     |       |         |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 10        |  |  |
| 51           |                                     |       |         |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |  |
| 49           |                                     |       |         |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |  |
| TOTAL        |                                     | 5.327 | 541.620 | 15.1 | 5.1 | .4   |       |       |       |       |       |       |       |       |       |       |      |           | 846      |          | 846       |  |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4722650          | 62834 | 74.3 | 8.130          | 846      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4252671          | 59917 | 70.8 | 3.285          | 846      |                                    |        | 75.6   | 30.4   |        |        |       |
| Wet Bulb    | 3632291          | 55371 | 65.5 | 3.123          | 846      |                                    |        | 36.5   | 5.5    |        |        |       |
| Dew Point   | 3281614          | 52588 | 62.2 | 3.877          | 846      |                                    |        | 8.6    |        |        |        |       |



## PSYCHROMETRIC SUMMARY

011321 HICKAM AFB HI

74-83

742

MONTH

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0000-0000  
HOURS 11. 5. 11

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |         |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-------|---------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2   | 3-4     | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 77      |                                     |       |         |      | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76 / 75      |                                     |       | .4      | 1.3  | 1.5  |      |       |       |       |       |       |       |       |       |       |       |      | 32        | 32       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 / 73      |                                     | .2    | .5      | 5.0  | 4.5  | 1.3  | .1    |       |       |       |       |       |       |       |       |       |      | 175       | 125      | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72 / 71      |                                     | .4    | 3.9     | 13.1 | 10.7 | .5   |       |       |       |       |       |       |       |       |       |       |      | 309       | 209      | 10       | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71 / 69      |                                     | .4    | 10.8    | 8.7  | 3.5  | 1.1  |       |       |       |       |       |       |       |       |       |       |      | 229       | 229      | 45       | 9         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71 / 67      |                                     | 2.4   | 5.5     | 2.4  | 1.7  |      |       |       |       |       |       |       |       |       |       |       |      | 114       | 114      | 172      | 28        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 / 65      |                                     | 2.5   | 1.3     | 1.4  | .6   |      |       |       |       |       |       |       |       |       |       |       |      | 63        | 63       | 331      | 125       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64 / 63      |                                     | .9    | 1.2     | 1.2  | .8   |      |       |       |       |       |       |       |       |       |       |       |      | 37        | 37       | 227      | 228       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 / 61      |                                     | .6    | .4      | .2   |      |      |       |       |       |       |       |       |       |       |       |       |      | 12        | 12       | 75       | 229       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60 / 59      |                                     | .5    | .1      | .2   |      |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        | 39       | 140       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58 / 57      |                                     |       |         |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 22       | 80        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58 / 55      |                                     |       |         |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        | 53        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54 / 53      |                                     |       |         |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 25        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52 / 51      |                                     |       |         |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50 / 49      |                                     |       |         |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | 8.530 | 434.523 | 0    | 3.4  | .1   |       |       |       |       |       |       |       |       |       |       |      | 930       | 930      | 930      | 930       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5258634      | 69510      | 74.7      | 8.256      | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4566825      | 65111      | 70.0      | 2.986      | 930      |                                    |        | 81.0   | 15.8   |        |        | 930   |
| Wet Bulb    | 3913745      | 60277      | 64.8      | 2.736      | 930      |                                    |        | 22.8   | .1     |        |        | 930   |
| Dew Point   | 3534444      | 57242      | 61.6      | 3.467      | 930      |                                    |        | 4.3    |        |        |        | 930   |

## PSYCHROMETRIC SUMMARY

PAGE 1 1300-0500  
HOURS U. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | TOTAL    |           | TOTAL |  |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-------|--|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |
| 75/ 75       |                                     |       | .2    | .5    | .2    |        |         |         |         |         |         |         |         |         |         |         |      | 15        | 15       |          |           |       |  |
| 74/ 73       |                                     |       | .6    | 3.3   | 2.0   | 1.1    |         |         |         |         |         |         |         |         |         |         |      | 66        | 66       |          |           |       |  |
| 72/ 71       |                                     | .5    | 3.3   | 12.2  | 7.4   | 1.1    |         |         |         |         |         |         |         |         |         |         |      | 274       | 274      | 8        |           |       |  |
| 72/ 69       |                                     | 1.6   | 1.1   | 9.0   | 4.4   | .4     |         |         |         |         |         |         |         |         |         |         |      | 237       | 237      | 27       | 11        |       |  |
| 68/ 67       |                                     | 2.7   | 5.3   | 2.4   | 1.4   | .2     |         |         |         |         |         |         |         |         |         |         |      | 111       | 111      | 156      | 27        |       |  |
| 66/ 65       |                                     | 7.9   | 2.7   | 2.0   | .4    |        |         |         |         |         |         |         |         |         |         |         |      | 113       | 113      | 275      | 124       |       |  |
| 64/ 63       |                                     | 4.2   | .6    | 1.0   | .4    |        |         |         |         |         |         |         |         |         |         |         |      | 38        | 55       | 260      | 199       |       |  |
| 62/ 61       |                                     | 1.7   | .6    | .5    |       |        |         |         |         |         |         |         |         |         |         |         |      | 27        | 27       | 111      | 229       |       |  |
| 60/ 59       |                                     | 2.2   | .4    | .1    |       |        |         |         |         |         |         |         |         |         |         |         |      | 75        | 25       | 54       | 166       |       |  |
| 58/ 57       |                                     |       | .4    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 4         | 4        | 76       | 97        |       |  |
| 56/ 55       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 10       | 32        |       |  |
| 54/ 53       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 5        | 27        |       |  |
| 52/ 51       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 12        |       |  |
| 50/ 49       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 5         |       |  |
| TOTAL        | 19.9                                | 31.7  | 30.0  | 16.3  | 2.8   |        |         |         |         |         |         |         |         |         |         |         |      | 930       | 930      | 930      | 930       |       |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5642366          | 71939 | 77.3 | 9.222          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4411438          | 63972 | 68.8 | 3.439          | 930      |                                    |        | 70.7   | 8.1    |        |        | 57    |
| Wet Bulb    | 3841645          | 59711 | 64.2 | 2.912          | 930      |                                    |        | 18.5   |        |        |        | 22    |
| Dew Point   | 3507446          | 57020 | 61.3 | 3.510          | 930      |                                    |        | 3.8    |        |        |        | 93    |

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

74-67

452

STATION

STATION NAME

YEARS

MONTH

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5673-180  
HOURS 10.5.1.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 70 / 79      |                                     |      |      |      |      | .1   |       |       |       |       |       |       |       |       |       |       |      | 1         |          | 1        |           |  |       |  |
| 70 / 77      |                                     |      | .1   |      | .2   |      | .1    |       |       |       |       |       |       |       |       |       |      | 4         |          | 4        |           |  |       |  |
| 70 / 75      |                                     |      | .5   | .8   | 1.3  | 1.2  | .1    |       |       |       |       |       |       |       |       |       |      | 36        |          | 36       |           |  |       |  |
| 74 / 73      |                                     | .2   | .9   | 5.7  | 3.5  | 1.6  | .2    |       |       |       |       |       |       |       |       |       |      | 113       | 113      |          | 1         |  |       |  |
| 70 / 71      |                                     | .4   | 7.4  | 11.5 | 8.1  | 1.7  | .1    |       |       |       |       |       |       |       |       |       |      | 267       | 267      | 9        | 2         |  |       |  |
| 70 / 69      |                                     | 1.8  | 10.1 | 6.1  | 3.7  | .8   |       |       |       |       |       |       |       |       |       |       |      | 209       | 209      | 36       | 10        |  |       |  |
| 60 / 67      |                                     | 3.0  | 5.1  | 2.6  | 1.1  | .4   |       |       |       |       |       |       |       |       |       |       |      | 113       | 113      | 145      | 37        |  |       |  |
| 66 / 65      |                                     | 3.5  | 2.3  | 1.4  | .5   |      |       |       |       |       |       |       |       |       |       |       |      | 72        | 72       | 282      | 125       |  |       |  |
| 64 / 63      |                                     | 5.3  | .5   | .8   | .3   |      |       |       |       |       |       |       |       |       |       |       |      | 66        | 66       | 218      | 228       |  |       |  |
| 62 / 61      |                                     | 1.6  | .2   | .4   |      |      |       |       |       |       |       |       |       |       |       |       |      | 21        | 21       | 171      | 202       |  |       |  |
| 60 / 59      |                                     | 1.5  | .4   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 31        | 31       | 42       | 171       |  |       |  |
| 60 / 57      |                                     | .2   | .3   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 24       | 61        |  |       |  |
| 50 / 50      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 9        | 31        |  |       |  |
| 54 / 53      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 31        |  |       |  |
| 52 / 51      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 11        |  |       |  |
| 50 / 49      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |       |  |
| TOTAL        |                                     | 17.6 | 28.5 | 20.4 | 12.7 | 5.7  | .5    |       |       |       |       |       |       |       |       |       |      | 930       |          | 930      | 930       |  |       |  |

| Element (X) | Σ X²    | Σ X   | X̄   | s²    | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5501695 | 70945 | 76.3 | 9.924 | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4494645 | 64563 | 69.4 | 3.670 | 930      |                                    |        | 74.5   | 15.6   |        |        | 93    |
| Wet Bulb    | 3881542 | 60020 | 64.5 | 2.933 | 930      |                                    |        | 23.1   | .1     |        |        | 52    |
| Dew Point   | 3529200 | 57196 | 61.5 | 3.531 | 930      |                                    |        | 4.5    |        |        |        | 3     |



## PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 2930-110  
HOURS 11.5.1

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 51       |                                     |     |      |      |      | .1   | .3    | .6    | .2    | .1    |       |       |       |       |       |       |      | 12        | 12       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73/ 51       |                                     |     |      |      |      | .5   | 1.3   | 2.2   | 1.6   | .2    |       |       |       |       |       |       |      | 58        | 58       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 75       |                                     |     |      |      | .7   | 1.4  | 7.2   | 5.5   | 2.4   | .1    |       |       |       |       |       |       |      | 156       | 156      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71/ 77       |                                     |     |      | .1   | 1.1  | 10.4 | 9.3   | 5.2   | .9    | .1    |       |       |       |       |       |       |      | 250       | 250      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 75       |                                     |     |      | .4   | 4.1  | 17.3 | 3.5   | 2.4   | .9    |       |       |       |       |       |       |       |      | 247       | 247      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 72       |                                     | .2  | 1.7  | 4.2  | 3.8  | 2.8  | 1.2   |       |       |       |       |       |       |       |       |       |      | 125       | 125      | 15       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     | .7  | 1.5  | 1.4  | 1.6  | .9   | .5    |       |       |       |       |       |       |       |       |       |      | 57        | 57       | 79       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     | .7  | .4   | .2   | .3   | .2   |       |       |       |       |       |       |       |       |       |       |      | 14        | 14       | 276      | 19        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     | .4  | .2   |      | .2   | .1   |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 301      | 97        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | .2  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 162      | 179       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 71       | 213       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 21       | 156       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 147       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 21        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 34        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 1.4                                 | 4.1 | 11.2 | 28.4 | 33.9 | 17.1 | 6.3   | .6    | .1    |       |       |       |       |       |       |       |      | 930       | 930      | 650      | 650       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σ X'    | Σ X   | X̄   | s <sub>A</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 3721027 | 56205 | 62.6 | 9.175          | 930      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 5448641 | 71133 | 76.5 | 2.913          | 930      |                                    |        | 92.8   | 84.3   | 13.7   |        |       |
| Wet Bulb    | 4268266 | 62964 | 67.7 | 2.411          | 930      |                                    |        | 67.1   | 1.5    |        |        |       |
| Dew Point   | 3655545 | 58211 | 62.6 | 3.590          | 930      |                                    |        | 12.3   |        |        |        |       |

## PSYCHROMETRIC SUMMARY

YEARS

4 2 3  
MONTH

PAGE : 120-140  
HOURS : S. Y.

[illegible]

## PSYCHROMETRIC SUMMARY

-11222 HICKAM AFB HI 74-83 MAR  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 15 DEC-17 1974  
 HOURS S T

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6   | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 97           |                                     |     |     |       |      |      |       |       |       | .1    |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 96           |                                     |     |     |       |      |      |       |       | .2    | .4    | .1    |       |       |       |       |       |      | 7         | 7        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 95           |                                     |     |     |       |      | .1   | 1.6   | 1.8   | 1.2   |       |       |       |       |       |       |       |      | 44        | 44       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 94           |                                     |     |     | .1    | .3   | 7.2  | 4.2   | 5.1   | .4    |       |       |       |       |       |       |       |      | 124       | 124      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 93           |                                     |     | .3  | 2.5   | 11.5 | 10.3 | 4.7   | .3    |       |       |       |       |       |       |       |       |      | 276       | 276      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 92           |                                     | .2  | 1.1 | 8.2   | 8.6  | 6.9  | 1.6   | .3    |       |       |       |       |       |       |       |       |      | 260       | 260      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 91           |                                     | .4  | 1.9 | 4.2   | 4.6  | 2.9  | .3    |       |       |       |       |       |       |       |       |       |      | 134       | 134      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 90           | .1                                  | .5  | 1.0 | 1.1   | 1.4  | .8   | .1    |       |       |       |       |       |       |       |       |       |      | 46        | 46       | 22       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 89           |                                     | 1.2 | .8  | .4    |      | .1   |       |       |       |       |       |       |       |       |       |       |      | 80        | 80       | 117      | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 88           |                                     | .2  | .1  |       |      | .2   |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 304      | 30        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 87           |                                     | .1  |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 293      | 79        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 86           |                                     | .1  |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 133      | 167       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 85           | .1                                  |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 47       | 355       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 84           |                                     |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 9        | 177       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 83           |                                     |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 143       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 82           |                                     |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 77        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 81           |                                     |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 37        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 80           |                                     |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 79           |                                     |     |     |       |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .2                                  | 7.2 | 6.3 | 16.72 | 8.52 | 8.11 | 3.9   | 2.7   | .2    |       |       |       |       |       |       |       |      | 976       | 976      | 976      | 976       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σ X'    | Σ X   | X    | σ <sub>n</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 7294345 | 54705 | 58.2 | 8.929          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5730162 | 72760 | 78.2 | 2.873          | 930      |                                    |        | 92.8   | 85.2   | 31.3   |        |       |
| Wet Bulb    | 4334554 | 63454 | 68.2 | 2.339          | 930      |                                    |        | 73.8   | 2.4    |        |        |       |
| Dew Point   | 3640533 | 58093 | 62.5 | 3.552          | 930      |                                    |        | 11.5   |        |        |        |       |

11020 HICKAM AFB HI

NICKAM AFB MI

74-53

424

**MONTH**

14. 2. 1941

1500-2000  
HOURS U. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 71           |                                     |     |     |      |      |      | .1    | .1    |       |       |       |       |       |       |       |       |      | 3         | 7        |          |           |  |       |  |
| 72           |                                     |     |     |      | .7   | .8   | .5    | .1    |       |       |       |       |       |       |       |       |      | 10        | 16       |          |           |  |       |  |
| 73           |                                     |     | .3  | .5   | 4.3  | 7.7  | 1.6   | .1    |       |       |       |       |       |       |       |       |      | 68        | 90       |          |           |  |       |  |
| 74           |                                     |     | .3  | 5.8  | 10.2 | 5.3  | .8    |       |       |       |       |       |       |       |       |       |      | 240       | 245      |          |           |  |       |  |
| 75           |                                     | .1  | 1.1 | 2.6  | 13.2 | 5.9  | .6    | .1    |       |       |       |       |       |       |       |       |      | 321       | 341      | 5        |           |  |       |  |
| 76           |                                     | .1  | 2.2 | 5.4  | 5.5  | 2.4  | .1    |       |       |       |       |       |       |       |       |       |      | 161       | 161      | 23       | 8         |  |       |  |
| 77           |                                     | .1  | .2  | 1.7  | 7.4  | 1.5  | .1    |       |       |       |       |       |       |       |       |       |      | 61        | 61       | 141      | 17        |  |       |  |
| 78           |                                     | .1  | .1  | .9   | .4   | .1   |       |       |       |       |       |       |       |       |       |       |      | 15        | 11       | 202      | 52        |  |       |  |
| 79           |                                     |     | .4  | .3   |      | .1   |       |       |       |       |       |       |       |       |       |       |      | 5         |          | 291      | 140       |  |       |  |
| 80           |                                     | .1  |     |      | .2   |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 7        | 108      | 218       |  |       |  |
| 81           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 64       | 220       |  |       |  |
| 82           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 10       | 144       |  |       |  |
| 83           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 75        |  |       |  |
| 84           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 41        |  |       |  |
| 85           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 11        |  |       |  |
| 86           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |       |  |
| 87           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |       |  |
| TOTAL        |                                     | .5  | 6.5 | 27.2 | 37.5 | 24.1 | 3.8   | .4    |       |       |       |       |       |       |       |       |      | 930       | 930      |          | 90        |  |       |  |

| Element (X) | Σ X'    | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |  |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| Rel. Hum.   | 4208645 | 62165 | 66.8 | 7.573          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |  |
| Dry Bulb    | 5065849 | 68599 | 73.8 | 2.504          | 930      |                                    |        | 91.9   | 68.2   | .5     |        |  |
| Wet Bulb    | 4106727 | 61757 | 66.4 | 2.484          | 930      |                                    |        | 47.2   | .5     |        |        |  |
| Dew Point   | 3593878 | 57644 | 62.0 | 3.432          | 930      |                                    |        | 7.4    |        |        |        |  |

ALPINE CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 11020 HICKAM AFB HI STATION NAME 74-33 YEARS MONTH MAY

PAGE 1 2100-2300 HOURS 100 S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |     |     |     |
|--------------|-------------------------------------|---|----|-----|-----|----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|-----|-----|-----|
|              | 0                                   | 1 | 2  | 3   | 4   | 5  | 6   | 7   | 8   | 9   | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |     |     |     |
| 71 / 71      |                                     |   |    |     | .2  | .1 | .5  |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     |     |     |
| 70 / 71      |                                     |   |    |     | .4  | .2 | .3  | .5  | 1.2 |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 71       | 71        |     |     |     |
| 69 / 71      |                                     |   | .7 | 1.4 | 1.3 | .9 | .9  | 1.7 |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 255      | 254       |     |     |     |
| 68 / 71      |                                     |   |    | .2  | 1.4 | .5 | 1.7 | .8  | 1.1 |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 938      | 737       | 11  | 4   |     |
| 67 / 69      |                                     |   | .4 | .7  | .6  | .3 | .2  | .8  | 1.2 |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 142      | 162       | 61  | 11  |     |
| 66 / 67      |                                     |   | .4 | 1.5 | 1.5 | .2 | .2  |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 53       | 59        | 277 | 30  |     |
| 65 / 65      |                                     |   | .1 | 1.0 | 1.5 | .6 |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 25       | 27        | 331 | 107 |     |
| 64 / 63      |                                     |   | .7 | .2  | .4  | .4 |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 13       | 17        | 150 | 245 |     |
| 63 / 61      |                                     |   |    |     | .1  |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 1         | 1   | 69  | 207 |
| 62 / 59      |                                     |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     | 26  | 107 |
| 61 / 57      |                                     |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     | 7   | 63  |
| 60 / 55      |                                     |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     | 2   | 37  |
| 59 / 53      |                                     |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     |     | 21  |
| 58 / 51      |                                     |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     |     | 5   |
| 57 / 49      |                                     |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     |     | 1   |
| 56 / 47      |                                     |   |    |     |     |    |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |     |     | 1   |
| TOTAL        |                                     |   |    | 1.5 | 1.9 | .4 | .4  | .3  | 1.3 | 1.2 | 6.7 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 930      | 930       | 930 | 930 |     |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 4836776      | 66740      | 71.9      | 7.134      | 930      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Dry Bulb    | 4766036      | 66538      | 71.5      | 2.432      | 930      |                                    |                         | 69.1                    | 33.5                    |                         |                         |       |
| Wet Bulb    | 4004978      | 60984      | 65.6      | 2.542      | 930      |                                    |                         | 35.2                    | .7                      |                         |                         |       |
| Dew Point   | 3575679      | 57581      | 61.9      | 3.370      | 930      |                                    |                         | 5.0                     |                         |                         |                         |       |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_A$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             | Total       |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rel. Hum.   | 4836776     | 66740      | 71.8      | 7.134      | 930      | $\leq 0 F$                         | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ |
| Dry Bulb    | 4766036     | 66538      | 71.5      | 2.432      | 930      |                                    |             | 69.1        | 33.5        |             |             |
| Wet Bulb    | 4004978     | 60984      | 65.6      | 2.542      | 930      |                                    |             | 35.2        | .3          |             |             |
| Dew Point   | 3575679     | 57561      | 61.9      | 3.370      | 930      |                                    |             | 5.0         |             |             |             |

## PSYCHROMETRIC SUMMARY

7-51

STATION

STATION NAME

YEARS

MONTN

10

ALL  
HOURS . . . 5

| Element (X) | $Z_X'$   | $Z_X$  | $\bar{Y}$ | $\sigma_Y$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|----------|--------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 35535009 | 507463 | 69.211    | 4.32       | 7440     | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Dry Bulb    | 40310023 | 546429 | 73.4      | 4.889      | 7440     |                                    |                         | 605.3                   | 406.7                   | 92.3                    |                         | 744   |
| Wet Bulb    | 32748780 | 493078 | 66.3      | 3.083      | 7440     |                                    |                         | 365.1                   | 9.1                     |                         |                         | 744   |
| Dew Point   | 28692613 | 461275 | 62.0      | 3.552      | 7440     |                                    |                         | 62.8                    | .1                      |                         |                         | 744   |

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USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1

0000-02,0  
HOURS 11.5.11

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |  |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|--|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 74 / 77      |                                     |       |       | .1    | .3    |        |         |         |         |         |         |         |         |         |         |         |      | 4         | 4        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 76 / 75      |                                     |       | .7    | 2.6   | 3.4   | .1     |         |         |         |         |         |         |         |         |         |         |      | 58        | 53       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 74 / 73      |                                     | .1    | 1.4   | 12.9  | 7.8   | 2.3    |         |         |         |         |         |         |         |         |         |         |      | 221       | 221      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 72 / 71      |                                     | .1    | 12.7  | 14.1  | 8.4   | .7     |         |         |         |         |         |         |         |         |         |         |      | 324       | 324      | 7        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 70 / 69      |                                     | 1.2   | 17.8  | 6.4   | 2.4   | .1     |         |         |         |         |         |         |         |         |         |         |      | 169       | 169      | 73       | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 68 / 67      |                                     | 1.8   | 4.0   | .9    | .3    | .6     |         |         |         |         |         |         |         |         |         |         |      | 66        | 66       | 295      | 73        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 66 / 65      |                                     | 1.4   | 1.4   |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 26        | 26       | 338      | 721       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 64 / 63      |                                     | .6    | .2    | .1    |       |        |         |         |         |         |         |         |         |         |         |         |      | 8         | 8        | 139      | 250       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 62 / 61      |                                     | .1    | .1    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 2         | 2        | 37       | 197       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 60 / 59      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 8        | 147       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 58 / 57      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 3        | 78        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 56 / 55      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 54 / 53      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 52 / 51      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| 50 / 49      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |
| TOTAL        |                                     | 5.33  | 1.23  | 7.12  | 2.8   | 3.8    |         |         |         |         |         |         |         |         |         |         |      | 900       | 900      | 900      | 900       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5078940      | 67250      | 74.7      | 7.741 | 900      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 4580772      | 64172      | 71.3      | 2.397 | 900      |                                    |        | 66.4   | 26.3   |        |        | 900   |
| Wet Bulb    | 3923535      | 59395      | 66.0      | 2.055 | 900      |                                    |        | 37.5   |        |        |        | 900   |
| Dew Point   | 3556434      | 56522      | 62.8      | 2.735 | 900      |                                    |        | 4.4    |        |        |        | 900   |

## PSYCHROMETRIC SUMMARY

74-83

**YEARS**

ADD  
MONTH

PAGE 1 0306-1500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75           |                                     |      | .1   | 2.1  | 1.7  |      |       |       |       |       |       |       |       |       |       |       |      | 35        | 35       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73           |                                     |      | .6   | 9.3  | 3.5  | .2   |       |       |       |       |       |       |       |       |       |       |      | 122       | 132      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     |      | .117 | 31.1 | 7.6  | .4   |       |       |       |       |       |       |       |       |       |       |      | 275       | 275      | 6        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69           |                                     |      | 1.2  | 13.3 | 10.4 | 2.4  |       |       |       |       |       |       |       |       |       |       |      | 252       | 252      | 46       | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67           |                                     |      | 3.2  | 7.4  | 2.2  | .4   | .1    |       |       |       |       |       |       |       |       |       |      | 119       | 119      | 237      | 39        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65           |                                     |      | 3.3  | 1.6  | .2   | .2   | .2    |       |       |       |       |       |       |       |       |       |      | 50        | 50       | 317      | 195       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 63           |                                     |      | 2.7  | .3   | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 28        | 28       | 222      | 223       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61           | .1                                  | .6   | .2   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        | 54       | 232       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 59           |                                     |      | .1   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 10       | 155       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 8        | 36        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 11        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 53           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 51           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .111                                | .434 | .237 | .015 | .9   | 1.6  |       |       |       |       |       |       |       |       |       |       |      | 900       | 900      | 900      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |



## PSYCHROMETRIC SUMMARY

423

162-151  
HOURS: 1 5 7

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 70/ 72       |                                     |      |      |      |     | .7   |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        |          |           |  |       |  |
| 75/ 77       |                                     |      |      | .3   | 1.8 | .9   |       |       |       |       |       |       |       |       |       |       |      | 27        | 27       |          |           |  |       |  |
| 78/ 75       |                                     |      | .1   | 3.6  | 5.0 | 2.0  | .1    |       |       |       |       |       |       |       |       |       |      | 97        | 97       |          |           |  |       |  |
| 74/ 73       |                                     |      | 1.1  | 12.2 | 7.6 | 2.9  |       |       |       |       |       |       |       |       |       |       |      | 213       | 213      |          |           |  |       |  |
| 72/ 71       |                                     |      | 8.7  | 10.9 | 7.1 | .3   | .2    |       |       |       |       |       |       |       |       |       |      | 245       | 245      | 10       |           |  |       |  |
| 70/ 69       |                                     | 1.3  | 3.9  | 5.7  | 2.4 | .2   |       |       |       |       |       |       |       |       |       |       |      | 167       | 167      | 93       | 5         |  |       |  |
| 68/ 67       | .1                                  | 2.1  | 4.1  | 1.8  | .3  | .1   |       |       |       |       |       |       |       |       |       |       |      | 76        | 76       | 273      | 53        |  |       |  |
| 66/ 65       |                                     | 3.7  | 1.2  |      | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 45        | 45       | 309      | 129       |  |       |  |
| 64/ 63       |                                     | 1.4  | .3   | .1   |     |      |       |       |       |       |       |       |       |       |       |       |      | 17        | 17       | 162      | 258       |  |       |  |
| 62/ 61       |                                     | .5   | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        | 36       | 205       |  |       |  |
| 60/ 59       |                                     |      | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 11       | 129       |  |       |  |
| 58/ 57       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 36        |  |       |  |
| 56/ 55       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |       |  |
| 54/ 53       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |  |       |  |
| 52/ 51       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |       |  |
| 50/ 49       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |       |  |
| TOTAL        | .1                                  | 9.12 | 4.73 | 4.62 | 4.2 | 7.0  | .3    |       |       |       |       |       |       |       |       |       |      | 900       | 900      | 900      | 900       |  |       |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
|             |              |            |           |            |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Ref. Num.   | 5063337      | 67033      | 74.5      | 8.865      | 900      |                                    |        |        |        |        |        |       |
| Dry Bulb    | 4596706      | 64258      | 71.4      | 3.134      | 900      |                                    |        | 83.1   | 34.3   | .1     |        | 90    |
| Wet Bulb    | 3921986      | 59379      | 66.0      | 2.235      | 900      |                                    |        | 37.6   |        |        |        | 30    |
| Dew Point   | 3551315      | 56481      | 62.8      | 2.741      | 900      |                                    |        | 5.8    |        |        |        | 9     |

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 35/ 35       |                                     |     |     |      |      |      |       | .2    | .1    |       |       |       |       |       |       |       |      | 5         | 7        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       |                                     |     |     |      |      |      | 1.8   | 1.0   | .2    |       |       |       |       |       |       |       |      | 27        | 27       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       |                                     |     |     |      | .2   | 3.0  | 6.6   | 3.2   | .3    |       |       |       |       |       |       |       |      | 126       | 123      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | .1                                  | .1  | .2  | 3.0  | 12.6 | 7.0  | 3.3   | .1    | .1    |       |       |       |       |       |       |       |      | 279       | 239      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       |                                     |     |     | 1.9  | 10.6 | 10.4 | 6.2   | .6    |       |       |       |       |       |       |       |       |      | 267       | 267      | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       |                                     |     | .1  | 2.7  | 7.6  | 4.9  | 1.1   | .1    |       |       |       |       |       |       |       |       |      | 146       | 145      | 1        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       |                                     |     | .7  | 3.1  | 1.7  | 1.3  | .4    |       |       |       |       |       |       |       |       |       |      | 65        | 55       | 10       | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       |                                     | 1.1 | .9  | .4   |      |      |       |       |       |       |       |       |       |       |       |       |      | 22        | 22       | 145      | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       | .2                                  | .6  | .1  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 4        | 324      | 21        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     | .1  |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 287      | 100       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 179      | 205       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 21       | 243       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 156       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 112       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 43        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5         |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3         |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1         |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .3                                  | 2.7 | 8.9 | 23.4 | 32.2 | 23.1 | 3.4   | .8    | .1    |       |       |       |       |       |       |       |      | 900       | 900      | 900      | 900       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

LOCAL CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 11420 HICKAM AFB HI STATION NAME 74-83 YEARS ACB MONTH 1500-1700  
PAGE 1 HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-------|------|------|-----|------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
|              | 0                                   | 1   | 2   | 3     | 4    | 5    | 6   | 7    | 8   | 9   | 10  | 11  | 12  | 13  | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 96/ 95       |                                     |     |     |       |      |      |     |      |     |     |     |     | .1  | 1.3 | .7 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 19        | 19       |          |           |
| 94/ 93       |                                     |     |     |       |      |      |     |      |     |     | .3  | 4.0 | 4.9 | 1.0 | .2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 94    | 94        |          |          |           |
| 92/ 91       |                                     |     |     |       |      |      |     |      |     | .7  | 4.2 | 9.0 | 5.9 | .4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 108   | 108       |          |          |           |
| 90/ 79       |                                     |     |     |       |      | .1   | 2.7 | 13.0 | 9.2 | 4.1 | .1  |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 263   | 263       |          |          |           |
| 76/ 77       |                                     |     |     |       |      | .8   | 5.2 | 6.6  | 6.4 | .7  |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 185   | 185       |          |          |           |
| 76/ 75       |                                     |     |     | .1    | 1.9  | 3.2  | 3.9 | 1.2  | .4  |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 97    | 97        |          |          |           |
| 74/ 73       |                                     | .1  | 1.0 | 1.2   | 1.3  | .4   | .1  | .1   |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 39    | 39        | 16       |          |           |
| 72/ 71       |                                     | .3  | .3  | .2    | .1   |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 9     | 9         | 179      |          |           |
| 70/ 69       |                                     | .1  | .3  |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4     | 4         | 340      | 20       |           |
| 68/ 67       |                                     |     | .1  |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1     | 1         | 245      | 68       |           |
| 68/ 65       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 100      | 100       |
| 64/ 63       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 16       | 211       |
| 62/ 61       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 1        | 100       |
| 60/ 59       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 1        | 100       |
| 58/ 57       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 47        |
| 56/ 55       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 10        |
| 54/ 53       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 52/ 49       |                                     |     |     |       |      |      |     |      |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| TOTAL        | .6                                  | 1.0 | 4.2 | 13.92 | 8.43 | 3.11 | 8.4 | 2.2  | .2  |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 900       | 900      | 900      | 900       |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |       |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 3386941      | 52159      | 58.0      | 8.844      | 900      | ± 0 F                              | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | Total |
| Dry Bulb    | 5660555      | 71329      | 79.3      | 2.872      | 900      |                                    |        | 90.0   | 88.6   | 45.8   |        | 214.4 |
| Wet Bulb    | 4271272      | 61974      | 68.9      | 2.040      | 900      |                                    |        | 78.2   | 1.6    |        |        | 79.8  |
| Dew Point   | 3583059      | 56719      | 63.0      | 3.087      | 900      |                                    |        | 11.5   |        |        |        | 11.5  |

## PSYCHROMETRIC SUMMARY

YEARS

1800-2000  
HOURS: 11:55 A.M.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71/ 81       |                                     |     |     |      |      | .2   | 3.3   | 1.3   |       |       |       |       |       |       |       |       |      | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 79       |                                     |     |     |      | .2   | 3.3  | 1.3   |       |       |       |       |       |       |       |       |       |      | 44        | 44       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73/ 77       |                                     |     |     | .7   | 7.2  | 5.6  | 2.6   |       |       |       |       |       |       |       |       |       |      | 142       | 142      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 75       |                                     | .1  |     | 5.6  | 14.2 | 8.8  | .6    |       |       |       |       |       |       |       |       |       |      | 272       | 272      | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     |     | 1.1 | 11.1 | 11.4 | 5.2  | .8    |       |       |       |       |       |       |       |       |       |      | 274       | 274      |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     |     | 3.8 | 5.9  | 4.7  | .7   | .2    |       |       |       |       |       |       |       |       |       |      | 127       | 127      | 23       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75/ 69       |                                     | .2  | 1.3 | 1.1  | .7   | .4   |       |       |       |       |       |       |       |       |       |       |      | 34        | 34       | 212      | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69/ 67       |                                     |     | .1  | .1   | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 332      | 52        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     |     |     | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 243      | 201       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .1  |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 72       | 240       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 10       | 253       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61/ 59       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        | 125       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 40        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55/ 55       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 13        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | .4  | 5.1 | 23.7 | 39.3 | 25.2 | 5.6   |       |       |       |       |       |       |       |       |       |      | 910       | 910      | 900      | 900       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σ x'    | Σ x   | x̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4060432 | 60074 | 66.7 | 7.999          | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5012613 | 67133 | 74.6 | 2.408          | 900      |                                    |        | 80.8   | 73.4   | 1.7    |        |       |
| Wet Bulb    | 4055241 | 60365 | 67.1 | 2.040          | 900      |                                    |        | 56.8   | .1     |        |        |       |
| Dew Point   | 3549201 | 56459 | 62.7 | 2.970          | 900      |                                    |        | 5.8    | .1     |        |        |       |

## PSYCHROMETRIC SUMMARY

22  
MONTH

2407 1 217-470  
HOURS 11.5.1

[illegible]

## PSYCHROMETRIC SUMMARY

1-27  
STATION

HICKAM AFB HI

STATION NAME

74-83

YEARS

424

MONTH

FAST

ALL  
HOURS L. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 3/ 97        |                                     |     |     |     |     |      |       |       | .3    |       |       |       |       |       |       |       |    | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 96        |                                     |     |     |     |     |      | .1    | .5    | .2    |       |       |       |       |       |       |       |    | 80        | 62       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5/ 93        |                                     |     |     |     |     | .2   | 1.5   | 1.5   | .7    | .1    | .5    |       |       |       |       |       |    | 300       | 300      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 81        |                                     |     |     |     | .2  | 1.9  | 3.3   | 2.4   | .2    |       |       |       |       |       |       |       |    | 579       | 579      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7/ 79        |                                     | .2  | .2  | .1  | 1.2 | 5.7  | 3.2   | 1.5   | .3    | .3    |       |       |       |       |       |       |    | 735       | 750      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 77        |                                     |     |     | .6  | 4.3 | 3.5  | 2.5   | .3    | .5    |       |       |       |       |       |       |       |    | 765       | 765      | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 9/ 75        |                                     | .3  | .1  | 2.9 | 3.4 | 2.8  | .4    | .1    |       |       |       |       |       |       |       |       |    | 852       | 852      | 2        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 73       |                                     | .1  | 1.1 | 8.5 | 5.9 | 2.3  | .1    | .2    |       |       |       |       |       |       |       |       |    | 1262      | 1262     | 76       | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 11/ 71       |                                     | .1  | 5.9 | 6.8 | 4.7 | .3   | .1    |       |       |       |       |       |       |       |       |       |    | 1292      | 1292     | 631      | 119       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 69       |                                     | .7  | 5.2 | 3.7 | 1.2 | .2   |       |       |       |       |       |       |       |       |       |       |    | 794       | 794      | 1532     | 119       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 13/ 67       | .3                                  | .9  | 2.1 | .7  | .2  | .1   |       |       |       |       |       |       |       |       |       |       |    | 232       | 232      | 2221     | 492       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 65       |                                     | 1.1 | .6  | .1  | .3  | .3   |       |       |       |       |       |       |       |       |       |       |    | 127       | 127      | 1767     | 1671      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 15/ 63       |                                     | .5  | .1  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |    | 55        | 55       | 753      | 1959      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 61       | .2                                  | .2  | .1  |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 16        | 16       | 156      | 1529      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 17/ 59       |                                     |     | .2  |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 2         | 2        | 45       | 1283      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 57       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 16       | 327       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 19/ 55       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 72        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 53       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 34        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 21/ 51       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 49       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .2                                  | 2.4 | 5.2 | 3.3 | 2.7 | 16.3 | 11.1  | 6.4   | 1.2   | .1    | .5    |       |       |       |       |       |    | 7206      | 7206     |          | 7206      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 7206      |          | 1206     |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s^2$  | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 33679147     | 485875     | 67.5      | 11.125 | 7206     | = 0 F                              | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F |       |
| Dry Bulb    | 40353349     | 538061     | 74.7      | 4.605  | 7206     |                                    |        | 760.0  | 463.2  | 132.1  |        | 7206  |
| Wet Bulb    | 32598150     | 484126     | 67.2      | 2.518  | 7206     |                                    |        | 446.3  | 7.9    |        |        | 7206  |
| Dew Point   | 28565854     | 453032     | 62.9      | 2.901  | 7206     |                                    |        | 62.6   | .3     |        |        | 7206  |

## PSYCHROMETRIC SUMMARY

112- MICHAEL AL HI

74-57

● ● ●

STATION

STATION NAME

YEARS

MONTH

24. 1

**HOURS** 11 A.M. - 5 P.M.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 77      |                                     |     |     | .4   | .9   | .1   |       |       |       |       |       |       |       |       |       |       |    | 1         | 13       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76 / 75      |                                     |     |     | .1   | 1.3  | 7.1  | 7.5   |       |       |       |       |       |       |       |       |       |    | 292       | 292      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 / 71      |                                     | .3  | 4   | 12   | 20   | 9.2  | 4.4   |       |       |       |       |       |       |       |       |       |    | 372       | 372      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70 / 71      |                                     | 1.1 | 5.5 | 6.5  | 4.5  | .2   |       |       |       |       |       |       |       |       |       |       |    | 280       | 282      | 37       | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7 / 65       | .1                                  | .4  | 5.1 | 3.7  | .3   |      |       |       |       |       |       |       |       |       |       |       |    | 95        | 95       | 215      | 40        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 57      | .1                                  | .5  | 7.3 | .5   | .1   |      |       |       |       |       |       |       |       |       |       |       |    | 34        | 34       | 353      | 114       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 55      |                                     | .2  | .5  | .5   |      |      |       |       |       |       |       |       |       |       |       |       |    | 12        | 17       | 221      | 20        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 63      |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 36       | 241       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 61      |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 14       | 140       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 55      |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 1        | 101       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 55      |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | 1.2 | 3.2 | 21.4 | 45.1 | 22.6 | 7.3   |       |       |       |       |       |       |       |       |       |    | 930       |          | 930      | 930       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s^2$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             |             | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum.   | 5122690      | 66650      | 73.8      | 7.704 | 930      | $\leq 0$ F                         | $\leq 32$ F | $\geq 67$ F | $\geq 73$ F | $\geq 80$ F | $\geq 93$ F |       |
| Dry Bulb    | 4935720      | 67720      | 72.6      | 2.210 | 930      |                                    |             | 91.8        | 58.7        |             |             |       |
| Wet Bulb    | 4199394      | 62464      | 67.2      | 2.065 | 930      |                                    |             | 60.6        | .1          |             |             |       |
| Dew Point   | 3808463      | 59455      | 63.9      | 2.841 | 930      |                                    |             | 15.7        |             |             |             |       |



## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME  | YEARS | MONTH |
|---------|---------------|-------|-------|
| 1403    | NICKAM AFB HI | 74-93 | 43 Y  |

DATE: 1-2-52 HOURS: 5:00

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |
|--------------|-------------------------------------|---|---|---|----|------|------|------|------|------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
|              | 0                                   | 1 | 2 | 3 | 4  | 5    | 6    | 7    | 8    | 9    | 10   | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 77 / 77      |                                     |   |   |   | .1 | .1   | .1   |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 76 / 76      |                                     |   |   |   | .2 | .2   | .2   | .4   | .6   | .7   | .8   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 75 / 75      |                                     |   |   |   | .2 | .4   | .6   | .8   | 1.0  | 1.2  | 1.4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 74 / 74      |                                     |   |   |   | .1 | .7   | 1.1  | 1.4  | 1.7  | 2.0  | 2.3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 73 / 73      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 72 / 72      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 71 / 71      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 70 / 70      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 69 / 69      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 68 / 68      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 67 / 67      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 66 / 66      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 65 / 65      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 64 / 64      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 63 / 63      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 62 / 62      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 61 / 61      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 60 / 60      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 59 / 59      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 58 / 58      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 57 / 57      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| 56 / 56      |                                     |   |   |   | .1 | 1.5  | 2.1  | 2.6  | 3.1  | 3.6  | 4.0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| TOTAL        |                                     |   |   |   | .1 | 1.31 | 1.75 | 2.31 | 3.10 | 4.10 | 5.30 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |   |   |   |    |      |      |      |      |      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |

## PSYCHROMETRIC SUMMARY

|         |               |
|---------|---------------|
| 1000    | NICKAN AFB HI |
| STATION | STATION NAME  |

74-63

YEARS

    MAY      
MONTH

2407

2026-2-1  
HOURS: 5.7

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|-------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|             | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 71     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 73     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 23        | 23       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 75     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 137       | 137      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 77     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 124       | 124      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 79     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 252       | 252      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 81     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 156       | 156      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 83     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 168       | 168      | 239      | 40        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 85     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 42        | 42       | 216      | 116       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 87     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 14        | 14       | 212      | 2-4       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 89     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 21       | 217       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 91     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 13       | 153       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 93     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 50        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 95     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 51        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 930      | 930       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |       |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5009841      | 67757      | 72.9      | 8.820      | 930      | = 0 F                              | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | Total |
| Dry Bulb    | 5024891      | 68301      | 73.4      | 3.766      | 930      |                                    |        | 51.1   | 60.7   | .4     |        |       |
| Wet Bulb    | 4240372      | 62764      | 67.5      | 2.212      | 930      |                                    |        | 62.4   | .6     |        |        |       |
| Dew Point   | 3827671      | 59607      | 64.1      | 2.793      | 930      |                                    |        | 16.7   |        |        |        |       |

## PSYCHROMETRIC SUMMARY

4 A V  
MONTH

PAF : 2426-11-1

[illegible]

DATE 2/28/2010

## PSYCHROMETRIC SUMMARY

129  
MONTH

100-4-1  
HOURS 5.7

[illegible]

## PSYCHROMETRIC SUMMARY

01020 HICKAM AFB HI

74-83

٧٥٧

STATION

STATION NAME

YEARS

MONTH

DATE 1 1570-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |
| 87/ 87       |                                     |     |     |      |      |      |       |       | .2    | .3    |       |       |       |       |       |       |      | 5         |          |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 86/ 86       |                                     |     |     |      |      |      |       | .8    | 4.5   | 1.3   | .2    |       |       |       |       |       |      | 3         | 63       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 84/ 83       |                                     |     |     |      | .6   | 2.3  | 2.9   | 1.4   | 3.8   | .1    |       |       |       |       |       |       |      | 242       | 282      |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 82/ 81       |                                     |     |     |      | 2.5  | 6.5  | 4.4   | 6.3   | .3    |       |       |       |       |       |       |       |      | 240       | 243      |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 80/ 79       |                                     |     |     | .6   | 2.9  | 8.7  | 7.1   | 2.5   | .1    |       |       |       |       |       |       |       |      | 274       | 204      |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 78/ 77       |                                     |     | .1  | 1.4  | 3.3  | 1.6  | 1.0   |       |       |       |       |       |       |       |       |       |      | 75        | 75       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     |     | .6  | .6   | 1.9  | .2   |       |       |       |       |       |       |       |       |       |       |      | 36        | 36       | 7        |           |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     | .2  | .3  | .2   | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        | 99       |           |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     | .4  | .1  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 308      | 26        |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     | .1  | .1  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 335      | 61        |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 161      | 110       |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 19       | 210       |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 245       |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 105       |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 69        |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .8                                  | 1.2 | 2.9 | 11.4 | 19.9 | 32.8 | 24.9  | 5.8   | .3    |       |       |       |       |       |       |       |      | 970       | 937      | 930      | 970       |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s^2$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
|             |              |            |           |       |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Rel. Hum.   | 3460072      | 52738      | 56.7      | 8.645 | 930      |                                    |        |        |        |        |        |       |
| Dry Bulb    | 6139000      | 75520      | 81.2      | 2.635 | 930      |                                    |        | 93.0   | 92.3   | 72.7   |        | 7     |
| Wet Bulb    | 4590864      | 65246      | 70.2      | 1.913 | 937      |                                    |        | 91.0   | 10.5   |        |        | 3     |
| Dew Point   | 3841032      | 59698      | 64.2      | 3.096 | 930      |                                    |        | 10.7   |        |        |        | 0     |

## PSYCHROMETRIC SUMMARY

74-93

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

                      
HOURS (L, S, T, )

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     |          | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 74/ 95       |                                     |     |     |      |      |      |       | .1    |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |
| 73/ 91       |                                     |     |     | .1   | .2   | .5   | 1.1   |       |       |       |       |       |       |       |       |       |      | 20        | 20       |          |           |  |
| 72/ 79       |                                     |     |     | .3   | 3.5  | 8.7  | 3.2   |       | .4    |       |       |       |       |       |       |       |      | 171       | 151      |          |           |  |
| 71/ 77       |                                     |     |     | 2.5  | 13.1 | 9.7  | 2.6   |       |       |       |       |       |       |       |       |       |      | 253       | 253      |          |           |  |
| 70/ 75       |                                     |     | 1.7 | 8.3  | 15.9 | 9.7  | .5    |       |       |       |       |       |       |       |       |       |      | 327       | 327      | 1        |           |  |
| 74/ 73       |                                     |     | .5  | 5.2  | 4.4  | 1.9  |       |       |       |       |       |       |       |       |       |       |      | 113       | 113      | 16       | 1         |  |
| 72/ 71       |                                     | 1.1 | 1.7 | 1.3  | 1.7  | .4   |       |       |       |       |       |       |       |       |       |       |      | 55        | 53       | 117      | 3         |  |
| 70/ 69       |                                     |     | .3  | .4   | .2   |      |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 345      | 66        |  |
| 68/ 67       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 285      | 98        |  |
| 66/ 65       |                                     |     |     | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 182      | 246       |  |
| 64/ 63       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 21       | 227       |  |
| 62/ 61       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 172       |  |
| 60/ 59       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 46        |  |
| 58/ 57       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 20        |  |
| 56/ 55       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| TOTAL        |                                     | 1.1 | 3.5 | 17.6 | 39.0 | 37.5 | 7.4   | .5    |       |       |       |       |       |       |       |       |      | 930       | 930      | 930      |           |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4088672      | 61268      | 65.9      | 7.508 | 930      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5421757      | 70974      | 76.3      | 2.386 | 930      |                                    |        | 92.9   | 86.5   | 7.9    |        | 93    |
| Wet Bulb    | 4358966      | 63642      | 68.4      | 2.023 | 930      |                                    |        | 76.4   | 1.7    |        |        | 93    |
| Dew Point   | 3818033      | 59529      | 64.0      | 2.860 | 930      |                                    |        | 16.8   | .1     |        |        | 93    |

## PSYCHROMETRIC SUMMARY

YEARS

    MAY      
MONTH

2455 1 21-10-23-1  
HOURS 11 5 1

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |       |  |
| 77           |                                     |      |      |      | .4   | .1   |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |       |  |
| 77           |                                     |      |      | .2   | .6   | 3.8  | .9    | .1    |       |       |       |       |       |       |       |       |      | 52        | 52       |          |           |       |  |       |  |
| 75           |                                     |      | 2.1  | 15.7 | 19.7 | 5.7  |       |       |       |       |       |       |       |       |       |       |      | 402       | 402      |          |           |       |  |       |  |
| 73           |                                     |      | 7.1  | 15.2 | 9.7  | 4.5  |       |       |       |       |       |       |       |       |       |       |      | 302       | 302      | 6        |           |       |  |       |  |
| 71           |                                     | .5   | 3.5  | 6.7  | 2.5  |      |       |       |       |       |       |       |       |       |       |       |      | 123       | 123      | 51       | 6         |       |  |       |  |
| 69           |                                     | .6   | 1.6  | 1.5  | .6   |      |       |       |       |       |       |       |       |       |       |       |      | 41        | 41       | 291      | 43        |       |  |       |  |
| 67           |                                     |      | .2   | .2   | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 5         |          | 321      | 127       |       |  |       |  |
| 65           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 17       | 263       |       |  |       |  |
| 63           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 38       | 219       |       |  |       |  |
| 61           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 6        | 169       |       |  |       |  |
| 59           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 85        |       |  |       |  |
| 57           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 13        |       |  |       |  |
| TOTAL        | 1.0                                 | 10.9 | 32.9 | 36.9 | 11.7 | .1   |       |       |       |       |       |       |       |       |       |       |      | 930       |          | 930      | 930       |       |  |       |  |

| Element (X) | Σ x'    | Σ x   | x̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4737117 | 66957 | 71.0 | 6.973          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5112165 | 68929 | 74.1 | 1.896          | 930      |                                    |        | 93.0   | 76.1   | .1     |        | 0.7   |
| Wet Bulb    | 4259317 | 62978 | 67.7 | 1.954          | 930      |                                    |        | 66.9   | .6     |        |        | 0.7   |
| Dew Point   | 3827312 | 59606 | 64.1 | 2.748          | 930      |                                    |        | 17.6   |        |        |        | 0.7   |

USAFETAC FORM 0265 (OL A) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 89       |                                     |     |      |     |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 35/ 87       |                                     |     |      |     |      |      |       |       | .1    | .3    |       |       |       |       |       |       |      | 35        | 35       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 85       |                                     |     |      |     |      | .1   | .4    | 1.0   | .5    | .1    |       |       |       |       |       |       |      | 248       | 248      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 83       |                                     |     |      |     | .4   | .2   | 3.3   | 4.2   | 1.3   | .7    |       |       |       |       |       |       |      | 752       | 752      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 81       |                                     |     |      | .1  | .2   | 2.6  | 4.2   | 2.4   | .1    | .7    |       |       |       |       |       |       |      | 765       | 765      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55/ 79       |                                     |     |      | .4  | 1.7  | 4.6  | 2.7   | .8    | .3    |       |       |       |       |       |       |       |      | 743       | 763      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73/ 77       |                                     |     | .1   | 1.1 | 4.6  | 2.5  | 1.0   | .5    |       |       |       |       |       |       |       |       |      | 715       | 715      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     | .7  | .9   | 6.0 | 7.6  | 3.1  | .1    |       |       |       |       |       |       |       |       |       |      | 1329      | 1329     | 45       | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     | .1  | 2.1  | 9.7 | 4.5  | 2.1  |       |       |       |       |       |       |       |       |       |       |      | 1374      | 1374     | 356      | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     | .8  | 4.3  | 3.3 | 2.4  | .1   |       |       |       |       |       |       |       |       |       |       |      | 809       | 809      | 1206     | 128       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       | .1                                  | .6  | 3.3  | 1.7 | .4   |      |       |       |       |       |       |       |       |       |       |       |      | 427       | 427      | 2215     | 416       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65/ 67       | .5                                  | .6  | 1.1  | .3  | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 151       | 151      | 2086     | 957       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 65       |                                     | .4  | .2   | .1  |      |      |       |       |       |       |       |       |       |       |       |       |      | 54        | 54       | 1396     | 2021      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .1  | .1   |     |      |      |       |       |       |       |       |       |       |       |       |       |      | 12        | 12       | 373      | 1779      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     |     |      |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 51       | 1258      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     |     |      |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 745       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57/ 57       |                                     |     |      |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 179       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55/ 55       |                                     |     |      |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 0         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |     |      |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .1                                  | 2.5 | 11.7 | 2.9 | 27.6 | 16.1 | 11.5  | 9.4   | 2.6   | .2    |       |       |       |       |       |       |      | 7440      | 7440     | 7440     | 7440      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 33702279     | 493597     | 66.3      | 1.332      | 7440     | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 43722275     | 569287     | 76.5      | 4.668      | 7440     |                                    |        | 737.4  | 598.7  | 221.0  |        | 744   |
| Wet Bulb    | 34988964     | 509876     | 68.5      | 2.892      | 7440     |                                    |        | 590.8  | 40.1   |        |        | 744   |
| Dew Point   | 30648473     | 477013     | 64.1      | 2.955      | 7440     |                                    |        | 145.1  | .3     |        |        | 744   |

USAFETAC FORM 026.5 (OL A) 88-1 SEC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

MONTE

PAGE 1 2004-200  
HOURS 11:50 AM

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |  |
| 77           |                                     |      |     |      | .3   | .2   |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 75           |                                     |      |     | .4   | 6.6  | .3   |       |       |       |       |       |       |       |       |       |       |      | 70        | 70       |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 73           |                                     |      | 1.3 | 21.7 | 13.7 | 3.3  | .2    |       |       |       |       |       |       |       |       |       |      | 370       | 370      |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 71           |                                     | .3   | 7.9 | 22.3 | 7.9  | 2.7  |       |       |       |       |       |       |       |       |       |       |      | 363       | 363      | 5        | 1         |  |  |  |  |  |  |  |       |  |       |  |  |
| 69           | 1.1                                 | 4.7  | 2.6 | .7   |      |      |       |       |       |       |       |       |       |       |       |       |      | 31        | 31       | 70       | 4         |  |  |  |  |  |  |  |       |  |       |  |  |
| 67           | .1                                  | .3   | .3  | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        | 430      | 54        |  |  |  |  |  |  |  |       |  |       |  |  |
| 65           | .1                                  |      | .3  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 278      | 196       |  |  |  |  |  |  |  |       |  |       |  |  |
| 63           |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 97       | 342       |  |  |  |  |  |  |  |       |  |       |  |  |
| 61           |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 14       | 187       |  |  |  |  |  |  |  |       |  |       |  |  |
| 59           |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 57        |  |  |  |  |  |  |  |       |  |       |  |  |
| 57           |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 47        |  |  |  |  |  |  |  |       |  |       |  |  |
| TAL          | 1.7                                 | 14.4 | 2.1 | 29.2 | 6.3  | .2   |       |       |       |       |       |       |       |       |       |       |      |           |          | 900      | 900       |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 900       |          | 900      |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
|              |                                     |      |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

11420 HICKAM AFB HI 74-83 YEARS MONTH

PAGE 1 1300-0540  
HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 / 77      |                                     |     |      | .5   | 2.2  | .1   |       |       |       |       |       |       |       |       |       |       |      | 20        | 20       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76 / 75      |                                     |     | 1.7  | 12.5 | 6.5  | 2.1  | .1    |       |       |       |       |       |       |       |       |       |      | 201       | 201      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 / 73      |                                     | 1.7 | 9.2  | 29.1 | 4.3  | 0.6  | .1    |       |       |       |       |       |       |       |       |       |      | 423       | 423      |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72 / 71      | .1                                  | 1.6 | 10.3 | 5.6  | 1.6  |      |       |       |       |       |       |       |       |       |       |       |      | 175       | 175      |          | 58        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70 / 69      |                                     | 1.4 | 7.4  | 1.2  |      |      |       |       |       |       |       |       |       |       |       |       |      | 55        | 55       |          | 325       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68 / 67      |                                     | .7  | .7   | 1.1  |      |      |       |       |       |       |       |       |       |       |       |       |      | 15        | 15       |          | 346       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66 / 65      |                                     |     | .1   | .2   |      |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        |          | 127       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64 / 63      |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 35        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 / 61      |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60 / 59      |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58 / 57      |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56 / 55      |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .1                                  | 4.4 | 24.7 | 50.5 | 15.2 | 4.6  | .2    |       |       |       |       |       |       |       |       |       |      | 900       | 900      |          | 900       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Z <sub>X</sub> <sup>1</sup> | Z <sub>X</sub> | X    | σ <sub>X</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|-----------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5144554                     | 67740          | 75.3 | 7.152          | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4841204                     | 65986          | 73.3 | 1.903          | 900      |                                    |        | 89.7   | 65.2   |        |        | 4     |
| Wet Bulb    | 4164281                     | 61197          | 68.0 | 1.954          | 900      |                                    |        | 73.0   | .1     |        |        | 9     |
| Dew Point   | 3809874                     | 56510          | 65.0 | 2.599          | 900      |                                    |        | 24.3   |        |        |        | 7     |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5144554      | 67740      | 75.3      | 7.152      | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 47 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4841204      | 65986      | 73.3      | 1.903      | 900      |                                    |        | 89.7   | 65.2   |        |        |       |
| Wet Bulb    | 4164281      | 61197      | 68.0      | 1.954      | 900      |                                    |        | 73.0   | .1     |        |        |       |
| Dew Point   | 3809874      | 56510      | 62.8      | 2.599      | 900      |                                    |        | 24.3   |        |        |        |       |

USAFETAC FORM 0265 (OLA) 8-64

LIPAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

11423  
STATION

HICKAM AFB HI

STATION NAME

74-83

YEARS

MONTH

PAGE 1  
HOURS 1-24

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |        |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|--------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Po |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 83        |                                     |     |      |      |      | .1   |       |       |       |       |       |       |       |       |       |       |    | 1         | 1        |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5/ 81        |                                     |     |      |      |      | 1.7  | .1    |       |       |       |       |       |       |       |       |       |    | 12        | 12       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 79        |                                     |     |      | .2   | 4.4  | 3.9  | .4    |       |       |       |       |       |       |       |       |       |    | 5         | 5        |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7/ 77        |                                     |     | .1   | 3.1  | 10.7 | 2.9  | 1.3   |       |       |       |       |       |       |       |       |       |    | 123       | 123      |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 75        | .1                                  | .1  | 1.9  | 13.6 | 2.8  | 2.2  |       |       |       |       |       |       |       |       |       |       |    | 275       | 275      | 1        | 1      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 9/ 73        |                                     | 1.0 | 7.4  | 14.2 | 2.9  | 1.7  |       |       |       |       |       |       |       |       |       |       |    | 211       | 211      | 10       | 10     |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 71       |                                     | .8  | 5.7  | 2.5  | 1.2  | .1   |       |       |       |       |       |       |       |       |       |       |    | 89        | 89       | 160      | 160    |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 11/ 69       |                                     | 1.1 | 2.0  | .9   | .7   |      |       |       |       |       |       |       |       |       |       |       |    | 39        | 39       | 367      | 367    |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 67       |                                     | .2  | .4   | .1   |      |      |       |       |       |       |       |       |       |       |       |       |    | 7         | 7        | 243      | 243    |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 1/ 65        |                                     |     |      | .2   |      |      |       |       |       |       |       |       |       |       |       |       |    | 2         | 2        | 58       | 58     |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 63        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 20       | 149    |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 3/ 61        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 5        | 35     |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 59        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 47     |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5/ 57        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 10     |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 55        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 1      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .1                                  | 7.2 | 17.1 | 34.9 | 30.3 | 12.4 | 1.9   |       |       |       |       |       |       |       |       |       |    | 975       | 975      | 900      | 975    |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4775617     | 65124      | 72.4      | 8.387      | 900      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 5070089     | 67507      | 75.0      | 2.697      | 900      |                                    |        | 89.8   | 76.3   | 3.5    |        | 5     |
| Wet Bulb    | 4265293     | 61931      | 68.8      | 2.024      | 900      |                                    |        | 78.7   | 1.7    |        |        | 92    |
| Dew Point   | 3860507     | 56893      | 65.4      | 2.739      | 900      |                                    |        | 33.7   | .2     |        |        | 90    |

LOCAL CLIMATOLOGY  
AFETAC  
WEATHER SERVICE/HA

# PSYCHROMETRIC SUMMARY

STATION 74-83 YEARS MONTH

07-1 1900-11-7  
HOURS L.S.T.

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | TOTAL<br>D.B./W.B. | TOTAL     |  |
|-------------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|--------------------|-----------|--|
|             | 0                                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Dry Bulb | Wet Bulb           | Dew Point |  |
| 83          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 13       | 17                 |           |  |
| 82          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24       | 24                 |           |  |
| 81          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 276      | 237                |           |  |
| 80          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 249      | 236                |           |  |
| 79          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 197      | 167                |           |  |
| 78          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 73       | 72                 | 1         |  |
| 77          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30       | 2                  | 9         |  |
| 76          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4        | 4                  | 196       |  |
| 75          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4        | 4                  | 379       |  |
| 74          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 1                  | 233       |  |
| 73          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 80        |  |
| 72          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 71          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 70          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 69          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 68          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 67          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 66          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 65          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 64          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 63          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 62          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 61          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 60          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 59          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 58          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| 57          |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 1         |  |
| TOTAL       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |                    | 900       |  |

USAFETAC FORM 64 0 26 5 (U) A1 41-50 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

74-83

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1220-1445

HOURS 11-5-7

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |  |  |
| 89           |                                     |     |     |     |     |      |       |       | 1.0   | 1.1   | .1    |       |       |       |       |       |      | 20        | 20       |          |           |  |  |  |  |  |  |  |       |  |  |  |
| 87           |                                     |     |     |     |     |      |       | 1.1   | 6.9   | 5.4   | .4    |       |       |       |       |       |      | 124       | 124      |          |           |  |  |  |  |  |  |  |       |  |  |  |
| 85           |                                     |     |     |     |     |      | 1.2   | 7.4   | 20.9  | 5.2   |       |       |       |       |       |       |      | 313       | 313      |          |           |  |  |  |  |  |  |  |       |  |  |  |
| 83           |                                     |     |     |     | .3  | 4.7  | 9.1   | 9.6   | 6.1   |       |       |       |       |       |       |       |      | 266       | 266      |          |           |  |  |  |  |  |  |  |       |  |  |  |
| 81           |                                     |     |     | .2  | 1.2 | 4.1  | 5.0   | 2.1   |       |       |       |       |       |       |       |       |      | 112       | 112      |          |           |  |  |  |  |  |  |  |       |  |  |  |
| 79           |                                     |     | .1  | .3  | 1.8 | 1.8  | .9    |       |       |       |       |       |       |       |       |       |      | 44        | 44       |          |           |  |  |  |  |  |  |  |       |  |  |  |
| 77           |                                     | .1  | .1  | .4  | .4  | .1   |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 1        |           |  |  |  |  |  |  |  |       |  |  |  |
| 75           | .1                                  |     | .2  | .2  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        | 46       |           |  |  |  |  |  |  |  |       |  |  |  |
| 73           |                                     | .1  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 203      | 3         |  |  |  |  |  |  |  |       |  |  |  |
| 71           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 333      | 13        |  |  |  |  |  |  |  |       |  |  |  |
| 69           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 175      | 106       |  |  |  |  |  |  |  |       |  |  |  |
| 67           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 32       | 197       |  |  |  |  |  |  |  |       |  |  |  |
| 65           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 247       |  |  |  |  |  |  |  |       |  |  |  |
| 63           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 173       |  |  |  |  |  |  |  |       |  |  |  |
| 61           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 117       |  |  |  |  |  |  |  |       |  |  |  |
| 59           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 40        |  |  |  |  |  |  |  |       |  |  |  |
| 57           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |  |  |  |  |  |  |  |       |  |  |  |
| TOTAL        | .2                                  | .2  | .4  | 1.2 | 3.7 | 11.2 | 23.4  | 40.4  | 17.9  | .6    |       |       |       |       |       |       |      | 970       | 950      | 970      | 322       |  |  |  |  |  |  |  |       |  |  |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | Σ    | Σ <sub>n</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 2629923          | 48267 | 53.3 | 7.428          | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 6398253          | 75853 | 84.3 | 2.423          | 900      |                                    |        | 95.0   | 90.0   | 86.4   |        | 7     |
| Wet Bulb    | 4641913          | 64613 | 71.0 | 1.958          | 900      |                                    |        | 92.0   | 34.0   |        |        | 0     |
| Dew Point   | 3851375          | 58817 | 65.4 | 2.899          | 900      |                                    |        | 92.2   | 0.0    |        |        | 0     |

## PSYCHROMETRIC SUMMARY

11023  
STATION

HICKAM AFB HI

74-03

\_\_\_\_\_  
MONTH

0 105 1

1910-1911  
HOURS 11:50

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 89       |                                     |     |     |     |     |      |       | .3    | .2    |       |       |       |       |       |       |       |      | 5         |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 87       |                                     |     |     |     |     |      | .3    | 2.9   | 1.9   | .1    |       |       |       |       |       |       |      | 47        | 47       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 85       |                                     |     |     |     |     | .1   | 5.1   | 14.1  | 2.3   | .7    |       |       |       |       |       |       |      | 206       | 206      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 83       |                                     |     |     |     |     | 3.9  | 14.8  | 11.2  | 3.6   | .1    |       |       |       |       |       |       |      | 302       | 302      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 81       |                                     |     |     |     | 1.3 | 7.4  | 10.1  | 3.9   | .1    |       |       |       |       |       |       |       |      | 203       | 203      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 79       |                                     |     |     | .1  | 2.3 | 4.9  | 2.0   | 1.7   |       |       |       |       |       |       |       |       |      | 106       | 106      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 77       |                                     | .1  | .1  | 1.3 | 1.1 | .7   |       |       |       |       |       |       |       |       |       |       |      | 70        | 70       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     | .2  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 12       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     | .2  | .7  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 270      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 71       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 365      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 69       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 218      | 62        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 67       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 55       | 192       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 65       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 284       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 63       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 174       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 61       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 106       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 59       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 24        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 57       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | .6  | .4  | 1.4 | 4.4 | 17.7 | 33.9  | 33.7  | 8.1   | .4    |       |       |       |       |       |       |      | 900       | 900      | 900      | 900       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 2772305      | 49526      | 55.0      | 7.203 | 900      | = 0 F                              | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F |       |
| Dry Bulb    | 6208058      | 74716      | 83.0      | 2.428 | 900      |                                    |        | 90.0   | 90.0   | 83.7   |        |       |
| Wet Bulb    | 4572212      | 64128      | 71.3      | 1.789 | 900      |                                    |        | 90.0   | 23.2   |        |        |       |
| Dew Point   | 3821444      | 58594      | 65.1      | 2.733 | 900      |                                    |        | 28.0   | .4     |        |        |       |

GLOBAL CLIMATOLOGY BRANCH  
HAFETAC  
WEATHER SERVICE/HAL

# PSYCHROMETRIC SUMMARY

11920 HICKAM AFB HI 74-83 YEARS MONTH

PAGE 1 1504-2000  
HOURS 15-5:00

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 27/ 37       |                                     |     |     |      |      |      |       |       |       | .1    |       |       |       |       |       |       |    |           | 1        |          | 1         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 33       |                                     |     |     |      |      |      | .2    | 1.2   |       |       |       |       |       |       |       |       |    |           | 14       |          | 14        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 29/ 31       |                                     |     |     |      |      | .6   | 6.4   | 3.8   |       | .3    |       |       |       |       |       |       |    |           | 100      |          | 100       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 70       |                                     |     |     |      |      | 5.8  | 16.1  | 3.1   |       | .3    |       |       |       |       |       |       |    |           | 208      |          | 208       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 31/ 77       |                                     |     | .1  | 2.8  | .1   | 8.9  | 2.0   |       |       |       |       |       |       |       |       |       |    |           | 314      |          | 314       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 75       |                                     | .1  | .7  | 6.6  | 12.5 | 4.2  |       |       |       |       |       |       |       |       |       |       |    |           | 217      |          | 217       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 33/ 73       | .2                                  | .1  | 1.0 | .7   | .9   |      |       |       |       |       |       |       |       |       |       |       |    |           | 26       |          | 26        | 3   |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 71       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 257       | 2   |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 35/ 69       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 399       | 46  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 67       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 188       | 192 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 37/ 65       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 38        | 330 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 63       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           | 159 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 39/ 61       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           | 30  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 59       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           | 42  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 41/ 57       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           | 1   |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .2                                  | .2  | 1.0 | 10.0 | 36.0 | 10.1 | .7    | .1    |       |       |       |       |       |       |       |       |    |           | 900      | 900      | 900       | 900 |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s^2$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |  |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| Rel. Hum.   | 3559289      | 58237      | 64.7      | 6.729 | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |  |
| Dry Bulb    | 5476341      | 70179      | 78.0      | 2.114 | 900      |                                    |        | 90.0   | 90.0   | 22.4   |        |  |
| Wet Bulb    | 4364805      | 62659      | 69.6      | 1.630 | 900      |                                    |        | 6.4    | 2.3    |        |        |  |
| Dew Point   | 3819310      | 53590      | 65.1      | 2.382 | 900      |                                    |        | 24.4   | .3     |        |        |  |

ARMED CLIMATELOGY BRANCH  
 AIR FORCE  
 WEATHER SERVICE/AF

# PSYCHROMETRIC SUMMARY

STATION NAME: IKAH JF HI STATION NAME: 74-83 YEARS: MONTH: 21-22-23  
 HOURS: 5-10

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |     |
|--------------|-------------------------------------|----|-----|------|------|------|------|-----|-----|------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|-----|
|              | 0                                   | 1  | 2   | 3    | 4    | 5    | 6    | 7   | 8   | 9    | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |     |
| 79           |                                     |    |     |      |      |      |      |     |     | .4   | .6  | .1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 13       | 13       |           |     |
| 78           |                                     |    |     |      |      |      |      | .1  | 7.9 | 18.7 | 1.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 234       | 234      |          |           |     |
| 77           |                                     |    |     | .1   | 7.1  | 23.7 | 27.7 | 6.0 |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 505       | 505      |          |           |     |
| 76           |                                     |    | .2  | .4   | 3.6  | 8.9  | 4.7  | .2  |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 185       | 185      | 4        |           |     |
| 75           |                                     |    |     | .3   | .5   | .2   | .3   |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 13        | 17       | 119      | 4         |     |
| 74           |                                     |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 487       | 55  |
| 73           |                                     |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 274       | 211 |
| 72           |                                     |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 62        | 342 |
| 71           |                                     |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 1         | 182 |
| 70           |                                     |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           | 75  |
| 69           |                                     |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           | 25  |
| 68           |                                     |    |     |      |      |      |      |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           | 3   |
| TOTAL        | .2                                  | .9 | 6.7 | 32.7 | 51.1 | 8.3  | .1   |     |     |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 900      | 900      | 900       |     |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_s$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4517517      | 63509      | 70.6      | 6.325      | 900      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 5143972      | 68030      | 75.6      | 1.359      | 900      |                                    |        | 90.0   | 88.7   | .1     |        |       |
| Wet Bulb    | 4278406      | 62038      | 68.9      | 1.513      | 900      |                                    |        | 83.4   | .4     |        |        |       |
| Dew Point   | 3249001      | 58819      | 65.4      | 2.339      | 900      |                                    |        | 27.3   | .2     |        |        |       |

USAFETAC FORM 0265 (O. A.) 8-58 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

ALL  
HOURS 10 S. Y.

[illegible]

USAFETAC 0 26 5 (OL A) FORM 0265 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

١٤-٢٢

## YEARS

NON

100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/72        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/73        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/74        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/75        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/76        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/77        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/78        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/79        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/80        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/81        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/82        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/83        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/84        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/85        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/86        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/87        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/88        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/89        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/90        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/91        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/92        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/93        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/94        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/95        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/96        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/97        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/98        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/99        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/100       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         | Total                   |   |
|-------------|-------------|------------|-----------|-------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|
| Rel. Hum.   | 5070541     | 67661      | 73.0      | 7.255 | 932      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |   |
| Dry Bulb    | 5271767     | 78065      | 75.3      | 1.517 | 935      |                                    |                         | 93.7                    | 93.5                    | .1                      |                         | 4 |
| Wet Bulb    | 4463287     | 64409      | 69.3      | 1.645 | 930      |                                    |                         | 66.8                    | 7.1                     |                         |                         | 3 |
| Dew Point   | 4056586     | 51376      | 66.0      | 2.549 | 730      |                                    |                         | 40.1                    | .3                      |                         |                         | 1 |

**USAFETAC** MEMO 0265 (CL A) 81-10 PER-PLUS ECHOS OF THIS MESSAGE LEFT JUL 68



## PSYCHROMETRIC SUMMARY

55 MONTH

PAGE 1 0000-2840  
HOURS 11. 5. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 53        |                                     |     |      |      |      | .1   | .1    | .1    |       |       |       |       |       |       |       |       |     | 3         | 3        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 61        |                                     |     |      | .1   | .1   | 1.2  | .2    |       |       |       |       |       |       |       |       |       |     | 15        | 15       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 79        |                                     |     |      | .9   | 4.8  | 5.3  | .4    |       |       |       |       |       |       |       |       |       |     | 104       | 104      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77 77        |                                     |     | .2   | 5.9  | 17.1 | 2.4  | 1.1   |       |       |       |       |       |       |       |       |       |     | 211       | 211      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76 73        |                                     | .2  | 7.7  | 14.0 | 8.8  | 3.0  |       |       |       |       |       |       |       |       |       |       |     | 276       | 276      | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 73        |                                     | 1.2 | 8.9  | 11.9 | 3.2  | .2   |       |       |       |       |       |       |       |       |       |       |     | 229       | 229      | 35       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73 71        | .2                                  | 1.8 | 4.1  | .6   | .4   |      |       |       |       |       |       |       |       |       |       |       |     | 69        | 69       | 229      | 24        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71 69        |                                     | .5  | .6   | .1   |      |      |       |       |       |       |       |       |       |       |       |       |     | 12        | 12       | 395      | 135       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 67        |                                     | .3  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     | 5         | 3        | 200      | 267       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66 65        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 64       | 256       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64 63        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 3        | 104       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 61        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 56        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60 59        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 30        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58 57        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .2                                  | 7.9 | 17.1 | 13.3 | 8.3  | 2.6  | 1.8   | .1    |       |       |       |       |       |       |       |       |     | 930       | 930      | 930      | 930       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 4971847      | 57539      | 72.6      | 8.492      | 930      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Dry Bulb    | 5322491      | 70319      | 75.6      | 2.843      | 930      |                                    |                         | 93.0                    | 84.3                    | 6.2                     |                         | 93    |
| Wet Bulb    | 4487281      | 64577      | 69.8      | 1.858      | 930      |                                    |                         | 86.3                    | 3.9                     |                         |                         | 93    |
| Dew Point   | 4072265      | 61491      | 66.1      | 2.649      | 930      |                                    |                         | 43.0                    |                         |                         |                         | 93    |

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAG

# PSYCHROMETRIC SUMMARY

STATION 74-83  
STATION NAME

74-83

YEARS

MONTH

PAGE 1

0900-1100  
HOURS T.L. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |  |
|--------------|-------------------------------------|----|-----|-----|------|------|------|------|-----|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1  | 2   | 3   | 4    | 5    | 6    | 7    | 8   | 9    | 10  | 11  | 12  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 37 / 39      |                                     |    |     |     |      |      |      |      |     |      |     |     | .1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 1         | 1        |          |           |  |
| 36 / 37      |                                     |    |     |     |      |      |      |      |     |      |     | .5  | 1.0 | .2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 16    | 16        |          |          |           |  |
| 35 / 35      |                                     |    |     |     |      |      |      |      |     | .3   | 3.9 | 6.2 | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 177   | 107       |          |          |           |  |
| 34 / 33      |                                     |    |     |     |      |      |      | 1.5  | 5.7 | 15.5 | 6.6 | .9  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 276   | 276       |          |          |           |  |
| 33 / 31      |                                     |    |     |     |      | .5   | 3.8  | 13.3 | 9.9 | 2.3  | .1  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 277   | 277       |          |          |           |  |
| 32 / 29      |                                     |    |     | .1  | .2   | 6.9  | 5.7  | 2.6  | .4  |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 150   | 150       |          |          |           |  |
| 31 / 27      |                                     |    |     | .2  | 3.7  | 2.7  | .3   | .2   |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 61        | 61       | 2        |           |  |
| 30 / 25      |                                     | .1 | 1.0 | 1.0 | .5   | .1   |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25    | 25        | 41       | 2        |           |  |
| 29 / 23      |                                     | .0 | .0  |     |      | .1   |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 10        | 17       | 234      | 2         |  |
| 28 / 21      |                                     |    |     |     | .1   |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 1         | 1        | 434      | 51        |  |
| 27 / 19      |                                     |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 184      | 143       |  |
| 26 / 17      |                                     |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 33       | 262      |           |  |
| 25 / 15      |                                     |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 2        | 264      |           |  |
| 24 / 13      |                                     |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 119       |  |
| 23 / 11      |                                     |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 65        |  |
| 22 / 9       |                                     |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 23        |  |
| 21 / 7       |                                     |    |     |     |      |      |      |      |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 1         |  |
| TOTAL        |                                     | .2 | 2.0 | 5.2 | 15.5 | 25.9 | 32.9 | 16.3 | 1.8 |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 930       | 930      | 930      |           |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             |             | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum.   | 3394757      | 55673      | 59.9      | 3.168      | 930      | $\leq 0 F$                         | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ |       |
| Dry Bulb    | 6232717      | 76095      | 81.8      | 2.637      | 930      |                                    |             | 93.0        | 92.9        | 77.6        |             | 53    |
| Wet Bulb    | 4771059      | 66597      | 71.6      | 1.788      | 930      |                                    |             | 42.8        | 27.7        |             |             | 3     |
| Dew Point   | 4103085      | 61721      | 66.4      | 2.719      | 930      |                                    |             | 45.8        | .4          |             |             | 93    |

USAFETAC FORM 0-20-5 (G-4) 8-62 WEATHER SERVICE OF THE AIR FORCE

## PSYCHROMETRIC SUMMARY

74-83

1999

STATION

STATION NAME

YEARS

MONTH

025F 1

1200-1410

HOURS L. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 91           |                                     |     |     |     |      |      |       |       | .1    |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |       |  |
| 90           |                                     |     |     |     |      |      | .1    | 1.3   | 1.6   | .2    |       |       |       |       |       |       |      | 27        | 27       |          |           |  |       |  |
| 89           |                                     |     |     |     | .1   | .6   | 2.4   | 10.4  | 5.9   | .5    |       |       |       |       |       |       |      | 186       | 186      |          |           |  |       |  |
| 88           |                                     |     |     |     |      | 1.8  | 10.4  | 19.0  | 5.3   | .3    |       |       |       |       |       |       |      | 342       | 342      |          |           |  |       |  |
| 87           |                                     |     |     |     | .6   | 4.3  | 11.5  | 8.5   | 2.3   |       |       |       |       |       |       |       |      | 259       | 259      |          |           |  |       |  |
| 86           |                                     |     |     |     | 1.4  | 3.6  | 2.5   | 1.1   |       |       |       |       |       |       |       |       |      | 24        | 24       |          |           |  |       |  |
| 85           |                                     |     |     | .2  | .9   | 1.2  | .2    | .1    |       |       |       |       |       |       |       |       |      | 25        | 25       | 1        |           |  |       |  |
| 84           |                                     |     | .2  | .2  |      |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 16       | 1         |  |       |  |
| 83           |                                     |     |     | .1  |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 74       |           |  |       |  |
| 82           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 383      | 5         |  |       |  |
| 81           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 349      | 10        |  |       |  |
| 80           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 120      | 120       |  |       |  |
| 79           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 13       | 241       |  |       |  |
| 78           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 276       |  |       |  |
| 77           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 147       |  |       |  |
| 76           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 74        |  |       |  |
| 75           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 26        |  |       |  |
| 74           |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |       |  |
| TOTAL        |                                     | .2  | .6  | 3.0 | 12.3 | 27.4 | 40.0  | 215.2 | 1.1   |       |       |       |       |       |       |       |      | 930       | 930      |          | 930       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Ref. Num.   |              |            |           |       |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 2692729      | 49691      | 53.4      | 6.369 | 930      |                                    |        | 93.0   | 93.0   | 91.9   |        | 93    |
| Wet Bulb    | 6775849      | 78947      | 84.9      | 2.100 | 930      |                                    |        | 93.0   | 44.8   | .1     |        | 97    |
| Dew Point   | 4874878      | 67312      | 72.4      | 1.778 | 930      |                                    |        | 40.9   | 1.0    |        |        | 93    |
|             | 4062778      | 61414      | 66.0      | 2.786 | 930      |                                    |        |        |        |        |        |       |

## PSYCHROMETRIC SUMMARY

1120  
STATION

HICKAM AFB HI

74-33

YEARS

MONTA

PAGE 1

1500-1700  
HOURS U. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 91           |                                     |     |     |     |     |      |       |       | .1    |       |       |       |       |       |       |       |      | 1         | 1        |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 89           |                                     |     |     |     |     |      |       | .1    | .4    | .5    | .1    |       |       |       |       |       |      | 11        | 11       |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 87           |                                     |     |     |     |     |      |       | 1.7   | 4.7   | 5.9   | .4    |       |       |       |       |       |      | 4         | 4        |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 85           |                                     |     |     |     |     |      |       | 1.7   | 7.7   | 16.7  | 2.6   |       |       |       |       |       |      | 267       | 267      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 83           |                                     |     |     |     |     | .8   | 5.4   | 17.1  | 9.8   | 2.7   |       |       |       |       |       |       |      | 332       | 332      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 81           |                                     |     |     |     |     | 7.0  | 6.7   | 6.5   | 2.7   |       |       |       |       |       |       |       |      | 163       | 163      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 79           |                                     |     |     |     | .2  | 1.5  | 3.4   | .5    | .1    |       |       |       |       |       |       |       |      | 54        | 54       |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77           |                                     |     |     |     | .6  | .5   | .2    | .1    |       |       |       |       |       |       |       |       |      | 15        | 15       | 1        |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75           |                                     |     | .1  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 56       |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73           |                                     |     | .1  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 288      | 1         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     |     |     | .1  |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 476      | 34        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69           |                                     |     |     |     | .1  |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 155      | 115       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 29       | 232       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 293       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 63           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 145       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 79        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 59           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 51        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     |     |     | .2  | 1.1 | 4.2  | 16.9  | 34.1  | 33.7  | 8.8   | .5    |       |       |       |       |       |      |           | 930      | 930      |           | 930 |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

74-83

STATION NAME

YEARS

MONTH

PAGE 1 1898-1900  
HOURS U. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 82       |                                     |     |     |      |      | 1.3  | 2.5   | .3    |       |       |       |       |       |       |       |       |     | 78        | 30       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 81       |                                     |     |     |      | .1   | 2.6  | 7.4   | 5.7   | .3    |       |       |       |       |       |       |       |     | 150       | 150      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 79       |                                     |     |     | 1.1  | 6.8  | 16.1 | 2.8   | .5    |       |       |       |       |       |       |       |       |     | 255       | 255      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 77       |                                     |     | .5  | 4.0  | 22.7 | 5.3  | 1.9   |       |       |       |       |       |       |       |       |       |     | 325       | 325      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 75       |                                     | .1  | 1.3 | 5.2  | 5.3  | 1.2  | .1    |       |       |       |       |       |       |       |       |       |     | 142       | 142      | 2        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 73       |                                     |     | 1.2 | .6   | .3   |      |       |       |       |       |       |       |       |       |       |       |     | 20        | 10       | 89       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 71       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 310      | 26        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 69       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 396      | 107       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 67       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 115      | 252       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 65       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 18       | 317       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 63       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 139       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 61       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 62        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 59       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 50        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 57       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | .1  | 2.4 | 12.0 | 39.7 | 31.4 | 13.0  | 1.3   |       |       |       |       |       |       |       |       |     | 970       | 930      | 930      | 950       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 4009481      | 60701      | 65.3      | 7.153 | 930      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Dry Bulb    | 5743431      | 73059      | 78.6      | 2.190 | 930      |                                    |                         | 93.0                    | 93.0                    | 30.1                    |                         | 93    |
| Wet Bulb    | 4592631      | 65335      | 70.3      | 1.696 | 930      |                                    |                         | 91.2                    | 9.1                     |                         |                         | 93    |
| Dew Point   | 4041987      | 61267      | 65.9      | 2.501 | 930      |                                    |                         | 38.1                    |                         |                         |                         | 93    |



## PSYCHROMETRIC SUMMARY

MONTH

Page 2 2100-2300  
HOURS S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70           |                                     |     |     |      | .9   | 1.3  | .4    | .2    |       |       |       |       |       |       |       |       |      | 35        | 35       |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     |     |     | .1   | 7.3  | 25.7 | 3.2   | .4    |       |       |       |       |       |       |       |       |      | 340       | 340      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72           |                                     | .2  | 4.3 | 15.2 | 17.7 | 5.2  | .1    |       |       |       |       |       |       |       |       |       |      | 450       | 450      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73           |                                     | .4  | 4.4 | 6.7  | 1.3  | .1   |       |       |       |       |       |       |       |       |       |       |      | 125       | 125      | 25       |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     | .7  | .1  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 217      | 22        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69           |                                     | .1  |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 494      | 110       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 155      | 264       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 36       | 296       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 126       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 69        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 59           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 33        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | 1.1 | 9.5 | 33.0 | 47.0 | 8.7  | .8    |       |       |       |       |       |       |       |       |       |      |           |          | 930      | 930       | 930 |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |      |      |      |       |       |       |       | </    |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |



## PSYCHROMETRIC SUMMARY

YEARS

9407 1 1000-1000  
HOURS 5 7

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |        |      |      |       |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-------|--------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2   | 3-4    | 5-6  | 7-8  | 9-10  | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 61       |                                     |       |        | .1   |      |       |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 75       |                                     |       |        | 1.0  | 4.0  | 1.0   |       |       |       |       |       |       |       |       |       |       |      | 59        | 59       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 77       |                                     |       |        | 1.6  | 11.1 | 118.4 | 5.2   | .3    |       |       |       |       |       |       |       |       |      | 343       | 343      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75/ 75       |                                     |       | .9     | 5.7  | 25.3 | 10.9  | 3.2   |       |       |       |       |       |       |       |       |       |      | 427       | 427      | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 75       |                                     |       | 1.0    | 3.0  | 4.3  | .4    |       |       |       |       |       |       |       |       |       |       |      | 89        | 89       | 42       | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 71       |                                     |       | .7     | .9   |      |       |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 245      | 42        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 59       |                                     |       |        |      |      |       |       |       |       |       |       |       |       |       |       |       |      |           |          | 439      | 172       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 67       |                                     |       |        |      |      |       |       |       |       |       |       |       |       |       |       |       |      |           |          | 129      | 325       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 65       |                                     |       |        |      |      |       |       |       |       |       |       |       |       |       |       |       |      |           |          | 17       | 240       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     |       |        |      |      |       |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 72        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     |       |        |      |      |       |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 19        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65/ 59       |                                     |       |        |      |      |       |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | 7.211 | 1041.7 | 33.7 | 0.8  | .9    |       |       |       |       |       |       |       |       |       |       |      | 930       | 930      | 930      | 930       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σ X'    | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4955490 | 67558 | 72.6 | 7.179          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5409142 | 76912 | 76.2 | 1.518          | 930      |                                    |        | 93.0   | 91.9   | 1.0    |        | 92    |
| Wet Bulb    | 4568611 | 65165 | 70.1 | 1.643          | 930      |                                    |        | 91.3   | 6.3    |        |        | 92    |
| Dew Point   | 4156434 | 62128 | 66.8 | 2.545          | 930      |                                    |        | 54.9   | 1.5    |        |        | 92    |

USAFETAC  
FORM  
MIL 04  
0 26 5 (CL A)  
RE-STATEMENT OF PURPOSES OF THIS FORM ARE CONTAINED

USAFETAC  
AFSTAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 11000 HICKAM AFB HI STATION NAME 74-83 YEARS MONTH

PAGE 1 2100-11-10  
HOURS 5

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |  |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|--|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 72/ 72       |                                     |     |      | 1.2  | 1.6  | .1   |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 72/ 77       |                                     |     |      | .2   | 5.9  | 14.8 | 7.0   | .5    |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 76/ 75       |                                     | .8  | 6.8  | 22.2 | 9.8  | 4.3  | .1    |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 74/ 70       |                                     | 0.0 | 6.0  | 12.0 | 1.7  | .2   |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 72/ 71       |                                     | 1.2 | 4.0  | .3   | .5   |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 70/ 69       |                                     | .4  | 1.3  |      | .1   |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 68/ 67       |                                     | .1  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 66/ 65       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 64/ 63       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 62/ 61       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 60/ 59       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 58/ 57       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| TOTAL        |                                     | 4.5 | 19.8 | 41.6 | 26.8 | 6.7  | .6    |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s^2$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5233795      | 69379      | 74.6      | 7.905 | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5266527      | 69963      | 75.2      | 1.878 | 930      |                                    |        | 93.0   | 85.6   | .4     |        | 5.3   |
| Wet Bulb    | 4505890      | 64712      | 69.6      | 1.811 | 930      |                                    |        | 87.7   | 5.0    |        |        | 5.7   |
| Dew Point   | 4128911      | 61917      | 66.6      | 2.673 | 930      |                                    |        | 50.1   | .7     |        |        | 5.3   |

USAFETAC FORM 0205 (O/L A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s^2$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5233795      | 69379      | 74.6      | 7.905 | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5266527      | 69963      | 75.2      | 1.878 | 930      |                                    |        | 93.0   | 85.6   | .4     |        | 5.3   |
| Wet Bulb    | 4505890      | 64712      | 69.6      | 1.811 | 930      |                                    |        | 87.7   | 5.0    |        |        | 5.7   |
| Dew Point   | 4128911      | 61917      | 66.6      | 2.673 | 930      |                                    |        | 50.1   | .7     |        |        | 5.3   |

JOINT CLIMATELOGY BRANCH  
AFSTAC  
WEATHER SERVICE/AFAC

# PSYCHROMETRIC SUMMARY

STATION: HICKAM AFB HI YEARS: 74-83 MONTH: PLS  
PAGE: 1 HOURS: 0600-1800

| Temp<br>°F | WET BULB TEMPERATURE DEPRESSION (F) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |     |  |  |
|------------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|-----|--|--|
|            | 0                                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |
| 67/61      |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    | .1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 1        | 1        |           |     |  |  |
| 67/61      |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 22       | 2        |           |     |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 175      | 155      |           |     |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 276      | 276      |           |     |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 278      | 278      | 4         |     |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 139      | 139      | 92        | 6   |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 42       | 42       | 299       | 54  |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 15       | 15       | 302       | 155 |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 2        | 2        | 149       | 309 |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 22        | 234 |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 5         | 76  |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 10        | 10  |  |  |
| 7/77       |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 93        | 93  |  |  |
| TOTAL      |                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 930       | 930 |  |  |

USAFETAC FORM 10-64 10-20-77

LOCAL CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/HAS

# PSYCHROMETRIC SUMMARY

STATION: HICKAM AFB HI 74-03 YEARS: MONTH: 1950-11

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL<br>D.B.-W.B. |     | TOTAL<br>Dry Bulb |     | TOTAL<br>Wet Bulb |  | TOTAL<br>Dew Point |  |
|--------------|-------------------------------------|----|---|----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|-----|-------------------|-----|-------------------|--|--------------------|--|
|              | 0                                   | 1  | 2 | 3  | 4   | 5   | 6   | 7    | 8    | 9    | 10   | 11   | 12   | 13  | 14  | 15  | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31                 |     |                   |     |                   |  |                    |  |
| 90           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    | .1 | .3 |    |    |    |    |    |    |    |    |    |    |    |    |                    |     | 4                 | 4   |                   |  |                    |  |
| 89           |                                     |    |   |    |     |     |     |      |      |      |      |      | .1   | 1.1 | 3.7 | 1.5 |    | .1 |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 57  | 57                |     |                   |  |                    |  |
| 88           |                                     |    |   |    |     |     | .1  |      |      |      |      | 2.7  | 10.2 | 9.1 | 1.2 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 212 | 212               |     |                   |  |                    |  |
| 87           |                                     |    |   |    |     | .1  | 1.7 | 6.7  | 14.7 | 6.2  | .6   |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 277 | 257               |     |                   |  |                    |  |
| 86           |                                     |    |   |    | .1  | 1.1 | 4.2 | 11.4 | 4.9  | 1.6  |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 216 | 216               |     |                   |  |                    |  |
| 85           |                                     |    |   | .1 | 1.5 | 3.1 | 3.4 | 1.4  |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 51  | 51                | 1   |                   |  |                    |  |
| 84           |                                     |    |   | .3 | 1.5 | 1.0 |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 76  | 76                | 6   | 1                 |  |                    |  |
| 83           |                                     | .3 |   |    |     |     | .1  |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 19  | 19                | 6   |                   |  |                    |  |
| 82           |                                     | .1 |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    | 1   | 1                 | 301 | 10                |  |                    |  |
| 81           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   | 329 | 86                |  |                    |  |
| 80           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   | 117 | 184               |  |                    |  |
| 79           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   | 2   | 206               |  |                    |  |
| 78           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     | 247               |  |                    |  |
| 77           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     | 37                |  |                    |  |
| 76           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     | 46                |  |                    |  |
| 75           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     | 91                |  |                    |  |
| 74           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     | 970               |  |                    |  |
| 73           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     | 970               |  |                    |  |
| 72           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 71           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 70           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 69           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 68           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 67           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 66           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 65           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 64           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 63           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 62           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 61           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 60           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| 59           |                                     |    |   |    |     |     |     |      |      |      |      |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |
| TOTAL        |                                     |    |   |    |     | .4  | 1.9 | 4.3  | 10.1 | 25.6 | 33.1 | 20.4 | 3.4  | .4  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |     |                   |     |                   |  |                    |  |

USAFETAC FORM 0-265 (Rev. 4-54)

## PSYCHROMETRIC SUMMARY

Monty

DATE: 12-21-14  
HOURS: 5:1

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 91           |                                     |     |     |     |     |      |       |       | .1    | .4    | .5    |       |       |       |       |       |      | 18        |          | 18       |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 90           |                                     |     |     |     |     |      |       | .1    | 3.2   | 4.9   | 7.8   | 8.1   |       |       |       |       |      | 187       |          | 187      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 89           |                                     |     |     |     | .1  | .4   | 5.9   | 18.3  | 10.9  | .8    |       |       |       |       |       |       |      | 289       |          | 289      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 88           |                                     |     |     |     | .5  | 3.7  | 9.1   | 15.6  | 4.6   | .2    |       |       |       |       |       |       |      | 310       |          | 310      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 87           |                                     |     |     |     | 1.7 | 4.4  | 4.7   | 3.1   | .3    |       |       |       |       |       |       |       |      | 185       |          | 185      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 86           |                                     |     |     |     | .4  | 1.8  | .5    | .6    | .1    |       |       |       |       |       |       |       |      | 28        |          | 28       |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 85           |                                     |     |     |     | .5  | 1.8  | .1    | .1    |       |       |       |       |       |       |       |       |      | 17        |          | 17       |           | 2   |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 84           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 16  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 83           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 175 |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 82           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 427 |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 81           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 240 |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 80           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 22  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 79           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 1   |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 78           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 77           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 76           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 75           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 74           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 73           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 72           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 71           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 70           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 69           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 68           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 67           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 66           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 65           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 64           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 63           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 62           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 61           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 60           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 59           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| TAL          |                                     | .2  | .1  | 1.1 | 3.9 | 2.9  | 20.1  | 39.4  | 20.9  | 4.2   | .5    |       |       |       |       |       |      |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 973       |          | 973      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |  |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| Rel. Hum.   | 2651569          | 49175 | 52.9 | 7.438          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |  |
| Dry Bulb    | 6912717          | 80153 | 86.2 | 2.237          | 930      |                                    |        | 93.0   | 93.0   | 91.6   |        |  |
| Wet Bulb    | 4992268          | 60120 | 73.2 | 1.699          | 930      |                                    |        | 93.0   | 83.4   |        |        |  |
| Dew Point   | 4156946          | 62194 | 66.9 | 2.980          | 930      |                                    |        | 81.5   | 1.0    |        |        |  |





LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

STATION HICKAM AFB HI STATION NAME 74-53 YEARS MONTH

PAGE 1 1800-1200 HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |     |     |     |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|-----|-----|-----|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | =31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |     |     |     |
| 87/ 87       |                                     |     |      |      |      |      |       | .1    |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     | 1   | 1   |
| 86/ 86       |                                     |     |      |      | .1   |      |       | .6    | .5    |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       | 12  | 12  |     |
| 84/ 83       |                                     |     |      |      | .4   | 2.3  | 4.5   | .6    |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       | 73  | 73  |     |
| 82/ 81       |                                     |     |      | .4   | 3.0  | 9.9  | 4.3   | 1.2   |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       | 174 | 174 |     |
| 80/ 79       |                                     |     |      | 2.8  | 15.9 | 16.7 | 2.9   |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       | 356 | 356 |     |
| 78/ 77       |                                     |     | .4   | 5.3  | 16.8 | 3.7  | 1.4   |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       | 256 | 256 |     |
| 76/ 75       |                                     | .6  | .8   | 2.3  | 1.7  | .1   |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       | 53  | 57  |     |
| 74/ 73       |                                     | .2  | .2   |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     | 4   | 4   |
| 72/ 71       |                                     | .1  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     | 1   | 1   |
| 70/ 69       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     |     | 425 |
| 68/ 67       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     |     | 276 |
| 66/ 65       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     |     | 59  |
| 64/ 63       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     |     | 312 |
| 62/ 61       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     |     | 252 |
| 60/ 59       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     |     | 53  |
| TOTAL        | 1.0                                 | 1.4 | 10.8 | 39.2 | 32.5 | 13.9 | 2.4   |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |     | 930 |     |

| Element (X) | ΣX'     | ΣX    | X    | Obs. | Mean No. of Hours with Temperature |     |      |      |      |      |      | Total |
|-------------|---------|-------|------|------|------------------------------------|-----|------|------|------|------|------|-------|
| Rel. Hum.   | 3995275 | 56587 | 55.1 | 7.18 | 0.37                               | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F |       |
| Dry Bulb    | 5879270 | 73913 | 79.7 | 0.11 | 0.37                               |     |      | 43.0 | 92.0 | 42.5 |      |       |
| Wet Bulb    | 4698398 | 66584 | 71.1 | 1.6  | 0.37                               |     |      | 92.7 | 16.7 |      |      |       |
| Dew Point   | 4142060 | 62022 | 66.7 | 2.49 | 0.37                               |     |      | 1.7  | 1.3  |      |      |       |

USAFETAC FORM 0-26.5 (OL A) JUL 64

## PSYCHROMETRIC SUMMARY

74-63

روز

STATION

STATION NAME

**YEARS**

MONTH

2451

2130-23.0

HOURS: 5 1

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    |          | TOTAL     |  |
|--------------|-------------------------------------|-----|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4   | 5-6  | 7-8   | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 81           |                                     |     |       | .3   | .3    |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        |          |           |  |
| 79           |                                     |     |       | 2.6  | 2.6   | 4.9  | .1    |       |       |       |       |       |       |       |       |       |      | 146       | 146      |          |           |  |
| 77           |                                     |     | 1.7   | 15.8 | 31.2  | 7.1  | 1.4   |       |       |       |       |       |       |       |       |       |      | 923       | 923      |          |           |  |
| 75           |                                     | .5  | 3.7   | 11.1 | 9.4   | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 275       | 275      |          |           |  |
| 73           |                                     | .2  | .4    | .3   |       |      |       |       |       |       |       |       |       |       |       |       |      | 14        | 14       | 56       | 56        |  |
| 71           |                                     |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 377      | 377       |  |
| 69           |                                     |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 349      | 349       |  |
| 67           |                                     |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 111      | 111       |  |
| 65           |                                     |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| 63           |                                     |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| 61           |                                     |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| 59           |                                     |     |       |      |       |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| TAL          |                                     | 1.7 | 5.729 | 248  | 513.2 | 1.5  |       |       |       |       |       |       |       |       |       |       |      | 976       |          | 976      |           |  |

| Element (X) | Z <sub>X</sub> | Z <sub>X</sub> | X    | * <sub>A</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |  |
|-------------|----------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
|             |                |                |      |                |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |  |
| Rel. Hum.   | 4668115        | 65601          | 70.5 | 6.619          | 930      |                                    |        |        |        |        |        |  |
| Dry Bulb    | 557183         | 71879          | 77.3 | 1.356          | 930      |                                    |        | 93.0   | 92.6   | 2.6    |        |  |
| Wet Bulb    | 4622841        | 65551          | 70.5 | 1.635          | 930      |                                    |        | 92.1   | 9.4    |        |        |  |
| Dew Point   | 4175684        | 62274          | 67.0 | 2.485          | 930      |                                    |        | 56.2   | .5     |        |        |  |

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## PSYCHROMETRIC SUMMARY

A 15  
MONTH

ALL  
HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4   | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 71           |                                     |     |       |      |      |      |       |       | .0    | .1    | .1    |       |       |       |       |       |    | 14        | 14       |          |           |  |       |  |
| 72           |                                     |     |       |      |      |      | .1    | .5    | .9    | .5    | .0    |       |       |       |       |       |    | 154       | 155      |          |           |  |       |  |
| 73           |                                     |     |       |      | .0   | .1   | 1.5   | 3.5   | 2.2   | .1    |       |       |       |       |       |       |    | 556       | 556      |          |           |  |       |  |
| 74           |                                     |     |       | .0   | .1   | 1.1  | 3.9   | 5.3   | 1.1   | .1    |       |       |       |       |       |       |    | 663       | 663      |          |           |  |       |  |
| 75           |                                     |     |       | .0   | .7   | 2.5  | 4.5   | 2.2   | .2    |       |       |       |       |       |       |       |    | 757       | 757      |          |           |  |       |  |
| 76           |                                     |     | .0    | .3   | 1.4  | 3.4  | 1.7   | .5    |       |       |       |       |       |       |       |       |    | 541       | 541      |          |           |  |       |  |
| 77           |                                     |     | .1    | 1.5  | 5.3  | 4.1  | .8    |       |       |       |       |       |       |       |       |       |    | 371       | 371      | 6        |           |  |       |  |
| 78           |                                     |     | 1.0   | 6.1  | 12.2 | 2.7  | .6    |       |       |       |       |       |       |       |       |       |    | 1662      | 1662     | 29       | 1         |  |       |  |
| 79           |                                     | .6  | 2.9   | 9.3  | 4.8  | 1.4  | .0    |       |       |       |       |       |       |       |       |       |    | 1414      | 1414     | 403      | 15        |  |       |  |
| 80           |                                     | .6  | 2.7   | 3.1  | .4   | .1   |       |       |       |       |       |       |       |       |       |       |    | 460       | 460      | 1676     | 87        |  |       |  |
| 81           |                                     | .3  | 1.0   | .1   | .1   |      |       |       |       |       |       |       |       |       |       |       |    | 112       | 112      | 2454     | 444       |  |       |  |
| 82           |                                     | .1  | .3    |      | .0   |      |       |       |       |       |       |       |       |       |       |       |    | 32        | 32       | 2121     | 1312      |  |       |  |
| 83           |                                     | .0  |       |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 5         | 5        | 611      | 2404      |  |       |  |
| 84           |                                     |     |       |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 107      | 1922      |  |       |  |
| 85           |                                     |     |       |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 4        | 745       |  |       |  |
| 86           |                                     |     |       |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 405       |  |       |  |
| 87           |                                     |     |       |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 1.7       |  |       |  |
| 88           |                                     |     |       |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 5         |  |       |  |
| TAL          |                                     | 1.7 | 7.220 | .425 | .015 | .313 | .112  | .0    | 4.4   | .9    | .1    |       |       |       |       |       |    | 7440      | 7440     | 7440     | 7440      |  |       |  |

| Element (X) | $\Sigma x^1$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 32626052     | 495754     | 65.311    | 0.69  | 7440     | ≤ 0 F                              | ≤ 32 F | ≤ 47 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 47568182     | 593948     | 79.8      | 4.525 | 7440     |                                    |        | 744.0  | 729.3  | 325.9  |        | 744   |
| Wet Bulb    | 37770301     | 529857     | 71.2      | 2.178 | 7440     |                                    |        | 732.4  | 210.6  |        |        | 744   |
| Dew Point   | 33269745     | 497125     | 66.8      | 2.667 | 7440     |                                    |        | 425.6  | 9.6    |        |        | 744   |

USAF CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 111320 HICKAM AFB HI STATION NAME 74-83 YEARS OFF MONTH

PAGE 1 0001-0200 HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74           |                                     |     |      | 1.0  | 2.4  | 1.1  |       |       |       |       |       |       |       |       |       |       |    | 45        | 45       |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77           |                                     |     | 1.0  | 13.7 | 2.4  | 5.2  | .2    |       |       |       |       |       |       |       |       |       |    | 367       | 367      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75           |                                     |     | .1   | 5.7  | 20.8 | 7.1  | 2.4   |       |       |       |       |       |       |       |       |       |    | 324       | 724      | 2        |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73           |                                     |     | .6   | 6.1  | 7.1  | 1.2  |       |       |       |       |       |       |       |       |       |       |    | 135       | 135      | 39       | 3         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     |     | .1   | 2.2  |      |      |       |       |       |       |       |       |       |       |       |       |    | 21        | 21       | 335      | 41        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69           |                                     |     | .4   |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 4         | 4        | 371      | 10        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 133      | 303       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 22       | 196       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 63           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 59           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74L          |                                     |     | .216 | .742 | .631 | .7   | 3.3   | .2    |       |       |       |       |       |       |       |       |    |           |          | 900      | 900       | 900 |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 900       | 900      |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |

USAFETAC Form 0-205 (Rev. 6-74)

| Element (X) | Z <sub>g</sub> | Z <sub>h</sub> | X    | C <sub>h</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|----------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4965326        | 65882          | 73.2 | 6.885          | 900      | ± 0 F                              | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F |       |
| Dry Bulb    | 5215084        | 68492          | 76.1 | 1.730          | 900      |                                    |        | 90.0   | 87.5   | .6     |        |       |
| Wet Bulb    | 4419310        | 63050          | 70.1 | 1.602          | 900      |                                    |        | 88.0   | 4.1    |        |        | 90    |
| Dew Point   | 4033507        | 60213          | 66.9 | 2.372          | 900      |                                    |        | 58.6   | .3     |        |        | 90    |

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 1 2300-1500  
HOURS 11:50 AM

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |         |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-------|---------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2   | 3-4     | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72 / 72      |                                     |       |         | .2  | 1.7 | .3   |       |       |       |       |       |       |       |       |       |       |      | 14        | 14       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73 / 71      |                                     |       | 1.1     | 5.4 | 9.6 | 2.7  |       |       |       |       |       |       |       |       |       |       |      | 159       | 190      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75 / 75      |                                     | .2    | 4.1     | 3.6 | 7.2 | 2.3  |       |       |       |       |       |       |       |       |       |       |      | 341       | 341      | 3        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 / 73      |                                     | 1.2   | 10.3    | 9.4 | 3.1 |      |       |       |       |       |       |       |       |       |       |       |      | 217       | 217      | 22       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71 / 71      |                                     | .3    | 2.9     | .9  | .4  |      |       |       |       |       |       |       |       |       |       |       |      | 94        | 94       | 236      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70 / 69      |                                     | .4    | 3.1     |     | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 33        | 33       | 396      | 135       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 / 67      |                                     |       | .1      |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 196      | 367       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 / 65      |                                     | .1    |         |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 55       | 252       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64 / 63      |                                     |       |         |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 55        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 / 61      |                                     |       |         |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 71        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 / 59      |                                     |       |         |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 / 57      |                                     |       |         |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | 2.527 | 643.621 | 4   | 5.1 |      |       |       |       |       |       |       |       |       |       |       |      | 570       | 900      | 900      | 570       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5184745      | 67995      | 75.6      | 7.286      | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5049129      | 67364      | 74.9      | 2.113      | 900      |                                    |        | 89.9   | 77.1   | .1     |        |       |
| Wet Bulb    | 4347318      | 62530      | 69.5      | 1.788      | 900      |                                    |        | 64.3   | 2.5    |        |        |       |
| Dew Point   | 4001741      | 59973      | 66.6      | 2.437      | 900      |                                    |        | 53.2   | .5     |        |        |       |

USAFETAC FORM 0265 (OL A) 01 • 11/2 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 04

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

11020 HICKAM AFB HI 74-83 SEP 1964  
STATION MONTH  
STATION NAME YEARS  
PART 1 0604-0604  
HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 85/ 85       |                                     |      |      |      |     |      |       | .1    |       |       |       |       |       |       |       |       |    | 1         |          | 1        |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 84/ 83       |                                     |      |      |      |     |      |       | .1    |       |       |       |       |       |       |       |       |    | 1         |          | 1        |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 83/ 81       |                                     |      |      | .1   | 1.2 | 1.1  | .1    |       |       |       |       |       |       |       |       |       |    | 23        |          | 23       |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 82/ 79       |                                     |      | .1   | 2.2  | 2.0 | 4.5  | 1.6   |       |       |       |       |       |       |       |       |       |    | 155       |          | 155      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 81/ 77       |                                     | .1   | 1.2  | 2.9  | 1.1 | 1.5  | .1    |       |       |       |       |       |       |       |       |       |    | 216       |          | 216      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 80/ 75       |                                     | .1   | 4.2  | 14.7 | 8.6 | 2.1  |       |       |       |       |       |       |       |       |       |       |    | 249       |          | 249      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 79/ 73       |                                     | 1.1  | 5.3  | 7.1  | 1.4 |      |       |       |       |       |       |       |       |       |       |       |    | 135       |          | 135      |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 78/ 71       |                                     | 1.0  | 6.7  | .8   | .3  |      |       |       |       |       |       |       |       |       |       |       |    | 73        |          | 72       | 295       | 40  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 77/ 69       |                                     | .3   | 2.5  | .3   | .2  |      |       |       |       |       |       |       |       |       |       |       |    | 31        |          | 31       | 324       | 170 |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 76/ 67       |                                     | .1   | .4   |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 5         |          | 5        | 144       | 357 |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 75/ 65       |                                     | .1   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 1         |          | 1        | 42        | 205 |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 74/ 63       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 7         | 63  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 73/ 61       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 1         | 56  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 72/ 59       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 71/ 57       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 70/ 55       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |     |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |
| TOTAL        | 2.0                                 | 10.9 | 35.1 | 37.8 | 9.3 | 1.8  | .2    |       |       |       |       |       |       |       |       |       |    | 900       |          | 900      |           | 900 |  |  |  |  |  |  |  |  |  |       |  |  |       |  |  |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_a$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 4929328     | 66216      | 73.6      | 8.004      | 900      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\geq 67^\circ\text{F}$ | $\geq 73^\circ\text{F}$ | $\geq 80^\circ\text{F}$ | $\geq 93^\circ\text{F}$ |       |
| Dry Bulb    | 5203345     | 68385      | 76.0      | 2.835      | 900      |                                    |                         | 39.9                    | 79.0                    | 8.8                     |                         | 90    |
| Wet Bulb    | 4413317     | 62997      | 70.0      | 2.039      | 900      |                                    |                         | 65.0                    | 8.7                     |                         |                         | 90    |
| Dew Point   | 4030858     | 60188      | 66.9      | 2.529      | 900      |                                    |                         | 56.2                    | .4                      |                         |                         | 56    |

USAFETAC FORM 0 26 5 (OL A) JUL 64

## PSYCHROMETRIC SUMMARY

|         |               |       |       |
|---------|---------------|-------|-------|
| 14320   | HICKAM AFB HI | 74-83 | SUP   |
| STATION | STATION NAME  | YEARS | MONTH |

PAGE 1 1900-1117  
HOURS 11.5.71

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 1 / 90       |                                     |     |     |     |      |      |       | .3    | .2    | .2    |       |       |       |       |       |       |    | 7         | 7        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 87       |                                     |     |     |     |      | .1   | 1.9   | 5.3   | 2.7   | .1    |       |       |       |       |       |       |    | 21        | 51       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 3 / 91       |                                     |     |     |     |      | 2.3  | 11.4  | 17.1  | 1.1   |       |       |       |       |       |       |       |    | 234       | 234      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 93       |                                     |     |     |     | 1.3  | 12.5 | 13.7  | 5.0   |       |       |       |       |       |       |       |       |    | 292       | 293      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5 / 91       |                                     |     |     | .7  | 4.2  | 9.1  | 5.4   | 1.1   |       |       |       |       |       |       |       |       |    | 142       | 132      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 79       |                                     | .1  | 1.0 | 2.9 | 2.7  | .9   |       |       |       |       |       |       |       |       |       |       |    | 36        | 68       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7-7 / 77     |                                     | .2  | .6  | .6  |      |      |       |       |       |       |       |       |       |       |       |       |    | 14        | 14       | 3        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7-7 / 75     | .2                                  | .6  | .2  | .2  |      |      |       |       |       |       |       |       |       |       |       |       |    | 11        | 11       | 24       | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7-7 / 73     |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 431      | 0         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7-7 / 71     |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 278      | 64        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7-7 / 69     |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 96       | 209       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6-7 / 67     |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 4        | 297       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6-7 / 65     |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 157       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6-7 / 63     |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 94        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6-7 / 61     |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 33        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .2                                  | .9  | 2.1 | 5.4 | 27.9 | 33.3 | 32.1  | 9     | 4.0   | .3    |       |       |       |       |       |       |    | 965       | 970      |          | 965       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σ X'    | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 3088474 | 52322 | 58.1 | 7.208          | 900      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 6293667 | 75230 | 83.6 | 2.421          | 900      |                                    |        | 97.0   | 90.0   | 85.5   |        | 67    |
| Wet Bulb    | 4755086 | 65402 | 72.7 | 1.632          | 900      |                                    |        | 97.0   | 52.2   |        |        |       |
| Dew Point   | 4074366 | 60514 | 67.2 | 2.462          | 900      |                                    |        | 58.0   | 1.0    |        |        |       |

## PSYCHROMETRIC SUMMARY

515  
MONTH

PAGE 2 1200-1400  
HOURS L. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 90/ 91       |                                     |     |     |     |     |      |       |       | .2    | .7    | .2    |       |       |       |       |       |      | 10        | 1        |          |           |  |       |  |
| 89/ 89       |                                     |     |     |     |     |      |       | .1    | 3.6   | 5.8   | 2.7   |       |       |       |       |       |      | 109       | 109      |          |           |  |       |  |
| 87/ 87       |                                     |     |     |     |     | .3   | 5.8   | 20.7  | 12.1  | .7    |       |       |       |       |       |       |      | 356       | 356      |          |           |  |       |  |
| 85/ 85       |                                     |     |     |     | .4  | 4.1  | 10.0  | 12.6  | 2.4   |       |       |       |       |       |       |       |      | 296       | 266      |          |           |  |       |  |
| 83/ 83       |                                     |     |     |     | 1.0 | 4.1  | 4.5   | 2.4   | .1    |       |       |       |       |       |       |       |      | 110       | 110      |          |           |  |       |  |
| 81/ 81       |                                     |     |     |     | .4  | 2.7  | .7    |       |       |       |       |       |       |       |       |       |      | 42        | 30       |          |           |  |       |  |
| 79/ 79       |                                     |     | .1  | .6  |     | .1   |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        |          |           |  |       |  |
| 77/ 77       |                                     |     | .3  | .2  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 2        | 16       |           |  |       |  |
| 75/ 75       |                                     | .1  |     |     |     | .1   |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 174      |           |  |       |  |
| 73/ 73       |                                     | .1  | .1  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 450      | 17        |  |       |  |
| 71/ 71       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 226      | 6         |  |       |  |
| 70/ 69       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 31       | 156       |  |       |  |
| 69/ 67       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 286       |  |       |  |
| 68/ 65       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 236       |  |       |  |
| 64/ 63       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 104       |  |       |  |
| 62/ 61       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 13        |  |       |  |
| 60/ 59       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 0         |  |       |  |
| TOTAL        |                                     | .2  | .6  | 1.2 | 2.0 | 10.9 | 21.1  | 39.2  | 22.7  | 4.0   | .2    |       |       |       |       |       |      | 900       | 900      |          | 900       |  |       |  |

| Element (X) | Z <sub>X</sub> <sup>1</sup> | Z <sub>X</sub> | X    | σ <sub>X</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|-----------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 2561144                     | 47592          | 52.9 | 7.034          | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 6706154                     | 77660          | 86.3 | 2.349          | 900      |                                    |        | 90.0   | 90.0   | 88.6   |        | 90    |
| Wet Bulb    | 4846358                     | 66028          | 73.4 | 1.582          | 900      |                                    |        | 90.0   | 64.2   |        |        | 90    |
| Dew Point   | 4045870                     | 60298          | 67.0 | 2.592          | 900      |                                    |        | 52.4   | 1.7    |        |        | 24    |



LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 11400 HICKAM AFB HI STATION NAME 74-53 YEARS MONTH 1500-1700

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 91       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 89       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 87       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 85       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 83       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 81       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 79       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 77       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 75       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 73       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 71       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 69       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 67       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 65       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 63       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 61       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 59       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| 27/ 57       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |
| TOTAL        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |  |  |

| Element (X) | Z <sub>1</sub> | Z <sub>2</sub> | Z <sub>3</sub> | Z <sub>4</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |
|-------------|----------------|----------------|----------------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel. Hum.   | 2737549        | 49667          | 55.2           | 7.227          | 900      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |
| Dry Bulb    | 6458213        | 76207          | 84.7           | 2.457          | 900      |                                    |        | 90.0   | 90.0   | 87.7   |        |
| Wet Bulb    | 4761012        | 65444          | 72.7           | 1.570          | 900      |                                    |        | 90.0   | 51.2   |        |        |
| Dew Point   | 4012765        | 60055          | 66.7           | 2.457          | 900      |                                    |        | 48.2   | 1.3    |        |        |

## PSYCHROMETRIC SUMMARY

MON T

100-2000  
HOURS: 5.7

| Element (X) | $Z_X$   | $Z_X$ | $\bar{R}$ | $\sigma_R$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         |       |
|-------------|---------|-------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
|             |         |       |           |            |          | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ | Total |
| Rel. Hum.   | 3924568 | 54924 | 65.5      | 6.579      | 900      |                                    |                         |                         |                         |                         |                         |       |
| Dry Bulb    | 5671761 | 71427 | 79.4      | 1.850      | 900      |                                    |                         | 90.0                    | 90.0                    | 41.1                    |                         | 90    |
| Wet Bulb    | 4546875 | 63955 | 71.1      | 1.551      | 900      |                                    |                         | 89.9                    | 15.8                    |                         |                         | 90    |
| Dew Point   | 4017310 | 60094 | 66.8      | 2.303      | 900      |                                    |                         | 52.2                    | .6                      |                         |                         | 90    |

USA:ETAC 0 26 5 (OL A. 81-01) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ARMED CLIMATELOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION HICKAM AFB HI 74-83 YEARS MONTH HOURS

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |      |      |          |          |           |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72           |                                     |     |     | .1   | 2.0  | 3.1  | 4.7   | .8    |       |       |       |       |       |       |       |       |    | 171  | 171  |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77           |                                     |     |     | .1   | 13.0 | 22.6 | 6.6   | 1.3   |       |       |       |       |       |       |       |       |    | 473  | 473  |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 78           |                                     | .3  | 3.9 | 10.6 | 9.3  | .9   |       |       |       |       |       |       |       |       |       |       |    | 325  | 325  |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 79           |                                     | .4  | 1.3 | .7   | .1   |      |       |       |       |       |       |       |       |       |       |       |    | 27   | 27   |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     | .1  |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 1    | 1    |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |      |      |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |      |      |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |      |      |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 63           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |      |      |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |      |      |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60           |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |    |      |      |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TAL          |                                     | .9  | 5.9 | 26.2 | 53.4 | 11.4 | 2.1   |       |       |       |       |       |       |       |       |       |    | 900  | 900  |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_s$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 4499245     | 63101      | 70.3      | 6.416      | 900      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Dry Bulb    | 5385863     | 69611      | 77.3      | 1.400      | 900      |                                    |                         | 90.0                    | 89.9                    | 2.4                     |                         |       |
| Wet Bulb    | 4472843     | 63432      | 70.5      | 1.547      | 900      |                                    |                         | 69.7                    | 8.0                     |                         |                         |       |
| Dew Point   | 4036310     | 60239      | 66.9      | 2.362      | 900      |                                    |                         | 57.3                    | .3                      |                         |                         |       |

USAFETAC FORM 0265 (OL A) 01-10-1961 (REV. 10-1-61) 10-1-61

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma^2$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             |             | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum.   | 4489245      | 61101      | 70.3      | 6.416      | 900      | $\leq 0$ F                         | $\leq 32$ F | $\leq 67$ F | $\leq 73$ F | $\leq 80$ F | $\leq 93$ F |       |
| Dry Bulb    | 5385863      | 69611      | 77.3      | 1.400      | 900      |                                    |             | 90.0        | 89.9        | 3.4         |             |       |
| Wet Bulb    | 4472840      | 63432      | 70.5      | 1.547      | 900      |                                    |             | 69.7        | 8.0         |             |             |       |
| Dew Point   | 4036310      | 60238      | 66.9      | 2.362      | 900      |                                    |             | 57.3        | .3          |             |             |       |

## PSYCHROMETRIC SUMMARY

|         |               |       |       |
|---------|---------------|-------|-------|
| 11-21   | HICKAM AFB HI | 74-93 | 11    |
| STATION | STATION NAME  | YEARS | MONTH |

ALL  
HOURS

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-------|---------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4   | 5-6     | 7-8   | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/71        |                                     |     |       |         |       |      |       |       | .6    | .1    | .3    |       |       |       |       |       |    | 14        | 17       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/73        |                                     |     |       |         |       |      | .3    | .6    | 1.0   | .5    |       |       |       |       |       |       |    | 152       | 150      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/75        |                                     |     |       |         |       | .1   | 1.3   | 4.5   | 2.3   | .1    | .3    |       |       |       |       |       |    | 679       | 609      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/77        |                                     |     |       |         | .1    | 1.7  | 4.3   | 4.8   | .7    |       |       |       |       |       |       |       |    | 839       | 809      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/79        |                                     |     |       | .4      | 3.1   | 4.4  | 1.7   | .1    |       |       |       |       |       |       |       |       |    | 711       | 701      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/81        |                                     | .2  | 1.4   | 3.6     | 1.7   | .3   |       |       |       |       |       |       |       |       |       |       |    | 509       | 809      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/79        |                                     | .1  | 1.1   | 6.4     | 4.1   | .4   |       |       |       |       |       |       |       |       |       |       |    | 902       | 902      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/77        |                                     | .3  | 6.6   | 1.1     | 2.3   | .7   |       |       |       |       |       |       |       |       |       |       |    | 1513      | 1513     | 36       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/75        | .1                                  | 2.6 | 8.9   | 4.1     | 1.1   |      |       |       |       |       |       |       |       |       |       |       |    | 1208      | 1208     | 368      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/73        | .4                                  | 2.9 | 3.3   | .7      |       |      |       |       |       |       |       |       |       |       |       |       |    | 514       | 514      | 1671     |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/71        | .2                                  | 2.1 | .2    | .1      |       |      |       |       |       |       |       |       |       |       |       |       |    | 189       | 189      | 2513     | 304       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/69        | .1                                  | .6  | .5    | .3      |       |      |       |       |       |       |       |       |       |       |       |       |    | 68        | 68       | 1815     | 1315      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/67        | .3                                  | .1  |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    | 6         | 6        | 624      | 2548      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/65        | .2                                  |     |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    | 2         | 2        | 121      | 1772      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/65        |                                     |     |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 6        | 610       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/61        |                                     |     |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 4        | 405       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/60        |                                     |     |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 37        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/57        |                                     |     |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/55        |                                     |     |       |         |       |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | .9  | 9.427 | 124.315 | 412.9 | 12.3 | 4.3   | .7    | .3    |       |       |       |       |       |       |       |    | 7200      | 7200     | 7200     | 7200      |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |     |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-----|
| Rel. Hum.   | 31010699     | 471959     | 65.501    | 1.017      | 7200     | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |     |
| Dry Bulb    | 45983268     | 574396     | 79.8      | 4.707      | 7200     |                                    |        | 719.8  | 623.5  | 315.8  |        | 740 |
| Wet Bulb    | 36562116     | 512832     | 71.2      | 2.172      | 7200     |                                    |        | 706.9  | 206.7  |        |        | 720 |
| Dew Point   | 32253227     | 481573     | 66.9      | 2.448      | 7200     |                                    |        | 436.1  | 6.1    |        |        | 720 |

## PSYCHROMETRIC SUMMARY

74-33

STATION

STATION NAME

YEARS

MONTH

Page 1      100-100  
HOURS: 11:50

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |  |
| / 21         |                                     |     |      | .1   |      |      |       |       |       |       |       |       |       |       |       |       |    | 1         | 1        |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| / 79         |                                     |     | 1.0  | 1.6  | 3.1  | 1.4  |       |       |       |       |       |       |       |       |       |       |    | 52        | 67       |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| / 77         |                                     |     | 1.3  | 4.9  | 10.5 | 1.7  | .8    |       |       |       |       |       |       |       |       |       |    | 217       | 127      | 1        |           |  |  |  |  |  |  |  |       |  |       |  |  |
| / 75         |                                     | .5  | 7.3  | 15.1 | 8.6  | 4.9  | .4    |       |       |       |       |       |       |       |       |       |    | 276       | 174      | 1        | 5         |  |  |  |  |  |  |  |       |  |       |  |  |
| / 73         |                                     | .6  | 4.0  | 8.9  | 7.0  | 1.1  |       |       |       |       |       |       |       |       |       |       |    | 172       | 172      | 45       | 14        |  |  |  |  |  |  |  |       |  |       |  |  |
| / 71         |                                     | 1.4 | 4.7  | 1.2  | 1.3  |      |       |       |       |       |       |       |       |       |       |       |    | 150       | 150      | 121      | 28        |  |  |  |  |  |  |  |       |  |       |  |  |
| / 69         |                                     | .6  | 1.4  | .3   |      |      |       |       |       |       |       |       |       |       |       |       |    | 127       | 127      | 429      | 170       |  |  |  |  |  |  |  |       |  |       |  |  |
| / 67         |                                     | .6  | .4   |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 12        | 12       | 142      | 282       |  |  |  |  |  |  |  |       |  |       |  |  |
| / 65         |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 104      | 306       |  |  |  |  |  |  |  |       |  |       |  |  |
| / 63         |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 18       | 67        |  |  |  |  |  |  |  |       |  |       |  |  |
| / 61         |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 69        |  |  |  |  |  |  |  |       |  |       |  |  |
| / 59         |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 59        |  |  |  |  |  |  |  |       |  |       |  |  |
| / 57         |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 5         |  |  |  |  |  |  |  |       |  |       |  |  |
| / 55         |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 1         |  |  |  |  |  |  |  |       |  |       |  |  |
| TAL          |                                     | 4.7 | 17.1 | 5.7  | 32.6 | 0.4  | 1.3   |       |       |       |       |       |       |       |       |       |    |           | 93       |          | 930       |  |  |  |  |  |  |  |       |  |       |  |  |

| Element (X) | Σ x'    | Σ x   | $\bar{x}$ | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5228492 | 67954 | 73.1      | 8.246          | 930      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 5284505 | 70069 | 75.3      | 2.308          | 930      |                                    |        | 93.0   | 81.3   | 1.2    |        |       |
| Wet Bulb    | 4470825 | 64449 | 69.3      | 2.203          | 930      |                                    |        | 67.8   | 5.6    |        |        |       |
| Dew Point   | 4067957 | 61443 | 66.1      | 3.035          | 930      |                                    |        | 42.0   | 1.9    |        |        |       |

[illegible]

## PSYCHROMETRIC SUMMARY

1-27-68 MICHAEL A. J. 41

74-33

STATION

STATION NAME

**YEARS**

MONY

246

HOURS S T

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |
|--------------|-------------------------------------|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
|              | 0                                   | 1  | 2  | 3  | 4   | 5   | 6   | 7   | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | = 31  | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |
| / 70         |                                     |    |    |    |     | .1  | 1.7 | .1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 77         |                                     |    |    | .1 |     |     | 1.1 | .2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 75         |                                     |    | .1 | .7 | .1  | 1.7 | .1  | 7.5 | .3 | .1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 73         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | 1.2 | .1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 71         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | 2.6 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 69         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | 1.2 | .1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 67         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 65         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 63         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 61         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 59         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 57         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 55         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 53         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 51         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 49         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| / 47         |                                     | .1 | .7 | .1 | 1.7 | .3  | .3  | .6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
| TAL          |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |
|              |                                     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |

## PSYCHROMETRIC SUMMARY

|         |               |
|---------|---------------|
| 1120    | HICKAM AFB HI |
| STATION | STATION NAME  |

74-83

YEARS

MONT

045 1 150-90  
HOURS 5.1

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/73        |                                     |     |      | .1   |      | .1   |       |       |       |       |       |       |       |       |       |       |      | 2         | 7        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/71        |                                     |     | .1   | .1   | .5   | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 10        | 13       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/79        |                                     |     | .7   | 1.1  | 6.0  | 4.6  | .5    |       |       |       |       |       |       |       |       |       |      | 117       | 117      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/77        |                                     | .1  | 1.1  | 4.4  | 14.7 | 1.7  | 1.2   |       |       |       |       |       |       |       |       |       |      | 221       | 221      | 2        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75/75        |                                     | .3  | 3.1  | 12.9 | 5.2  | 2.7  |       |       |       |       |       |       |       |       |       |       |      | 219       | 219      | 7        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/73        |                                     | 1.2 | 5.5  | 7.5  | 1.5  | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 156       | 156      | 47       | 9         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/71        |                                     | 1.1 | 6.3  | 1.3  | 1.3  | .7   |       |       |       |       |       |       |       |       |       |       |      | 97        | 97       | 214      | 28        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69/69        | .1                                  | 2.6 | 3.3  | .9   | .9   |      |       |       |       |       |       |       |       |       |       |       |      | 72        | 72       | 356      | 128       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/67        |                                     | .5  | 1.5  | .3   | .2   |      |       |       |       |       |       |       |       |       |       |       |      | 24        | 24       | 187      | 275       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65/65        |                                     | .3  | .1   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 72       | 289       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 63/63        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        | 73        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61/61        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 6        | 66        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 59/59        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 46        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57/57        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55/55        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 53/53        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .1                                  | 5.9 | 21.2 | 29.2 | 30.5 | 11.1 | 1.8   |       |       |       |       |       |       |       |       |       |      | 971       |          | 934      | 437       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σ x <sup>2</sup> | Σ x   | $\bar{x}$ | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 51346.0          | 58595 | 73.8      | 8.995          | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 5256457          | 69853 | 75.1      | 3.239          | 930      |                                    |        | 92.6   | 73.3   | 5.0    |        |       |
| Wet Bulb    | 4461015          | 54371 | 69.2      | 2.434          | 930      |                                    |        | 91.3   | 5.0    |        |        |       |
| Dew Point   | 4067506          | 61440 | 66.1      | 3.725          | 930      |                                    |        | 44.3   | 1.1    |        |        |       |

## PSYCHROMETRIC SUMMARY

74-43

157

STATION

STATION NAME

YEARS

MONTH

2025

1925-1123

HOURS L. S. T.

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

201

MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 91         |                                     |     |     |     |     |      |       |       | .3    |       | .1    |       |       |       |       |       |      | 4         | 4        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 89         |                                     |     |     |     |     |      |       | 1.7   | 3.0   | 1.4   |       |       |       |       |       |       |      | 57        | 57       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 87         |                                     |     |     |     |     | .4   | 1.7   | 8.5   | 7.4   | 3.2   | .2    |       |       |       |       |       |      | 196       | 197      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 85         |                                     |     |     |     | .4  | 2.6  | 11.0  | 17.4  | 3.3   | 1.1   |       |       |       |       |       |       |      | 323       | 323      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 83         |                                     |     | .1  | .3  | 1.2 | 4.5  | 8.9   | 6.9   | 1.8   |       |       |       |       |       |       |       |      | 215       | 215      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 81         |                                     |     | .1  | 1.3 | 1.4 | 3.4  | 1.5   | .8    |       |       |       |       |       |       |       |       |      | 76        | 76       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 79         |                                     |     |     | 1.6 | .9  | 1.1  |       |       |       |       |       |       |       |       |       |       |      | 27        | 27       |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 77         |                                     | .1  | .2  | .2  | .7  |      |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 19       | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 75         |                                     |     | .5  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        | 92       | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 73         |                                     | .4  | .2  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 381      | 27        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 71         |                                     | .2  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 313      | 36        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 69         |                                     | .1  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 116      | 144       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 67         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 13       | 249       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 65         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 249       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 63         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 117       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 61         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 60        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 59         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 34        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 57         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .2                                  | .4  | 1.2 | 2.9 | 4.2 | 11.5 | 23.1  | 35.2  | 15.9  | 4.6   | .7    |       |       |       |       |       |      | 930       | 930      | 930      | 930       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 2834764      | 50634      | 54.4      | 9.175 | 930      | = 0 F                              | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F |       |
| Dry Bulb    | 6713190      | 78970      | 84.9      | 2.848 | 930      |                                    |        | 43.0   | 52.5   | 89.2   |        |       |
| Wet Bulb    | 4905991      | 67525      | 72.6      | 1.847 | 930      |                                    |        | 53.0   | 49.4   |        |        |       |
| Dew Point   | 4111765      | 61771      | 66.4      | 3.097 | 930      |                                    |        | 46.5   | 3.3    |        |        |       |

## PSYCHROMETRIC SUMMARY

74-63

551 MONTH

FILE : 157-1740  
HOURS : 5.1

[illegible]

## PSYCHROMETRIC SUMMARY

251

MONTH

HOURS 11. 5. 7.

USAFETAC FORM JUL 64 0 26 5 (OL A) 20-512 991-005 1010005 OF THIS FORM ARE CONTAINED

## PSYCHROMETRIC SUMMARY

74-33

YEARS

257  
MONTH

2107 1 2107-2312  
HOURS 11-5-7

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |
| 81/ 51       |                                     |     |     | .3   | .3   | .1   |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 82/ 75       |                                     |     |     | .8   | 7.2  | 7.5  | 4.3   | .1    |       |       |       |       |       |       |       |       |      | 142       | 142      |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 75/ 77       |                                     |     |     | .8   | 5.6  | 25.8 | 4.6   | 1.7   |       |       |       |       |       |       |       |       |      | 359       | 359      |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 75/ 75       |                                     |     | .1  | 1.2  | 11.3 | 10.5 | 5.3   | .4    |       |       |       |       |       |       |       |       |      | 244       | 254      | 16       | 3         |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     | 1.1 | 3.2 | 4.3  | 1.8  | .5   | .1    |       |       |       |       |       |       |       |       |       |      | 104       | 104      | 50       | 15        |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     | 1.2 | 1.2 | .8   | .3   |      |       |       |       |       |       |       |       |       |       |       |      | 28        | 28       | 270      | 31        |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 69       |                                     |     | .7  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 320      | 131       |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     | .3  |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 125      | 256       |  |  |  |  |  |  |  |       |  |       |  |
| 65/ 65       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 79       | 206       |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 67       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 73        |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 61       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 79        |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 59       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 45        |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 57       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 55       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | 2.6 | 9.5 | 24.1 | 46.7 | 14.9 | 2.4   |       |       |       |       |       |       |       |       |       |      | 930       | 930      | 930      | 930       |  |  |  |  |  |  |  |       |  |       |  |



## PSYCHROMETRIC SUMMARY

YEARS

NC 1  
MONTH

64551

0000-0000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | TOTAL    |           | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 77 / 77      |                                     |      |      | .4   | .1   | .1   |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        |          |           |       |  |  |
| 77 / 77      |                                     |      |      | 1.2  | 6.3  | .8   | .1    |       |       |       |       |       |       |       |       |       |      | 62        | 62       |          |           |       |  |  |
| 77 / 75      |                                     |      | 2.2  | 11.9 | 5.3  | .4   |       |       |       |       |       |       |       |       |       |       |      | 104       | 104      |          |           |       |  |  |
| 74 / 77      |                                     | .4   | 7.3  | 15.9 | 3.1  | 1.8  | .8    |       |       |       |       |       |       |       |       |       |      | 256       | 256      | 4        |           |       |  |  |
| 77 / 71      |                                     | 2.6  | 10.7 | 2.8  | 2.0  | .7   |       |       |       |       |       |       |       |       |       |       |      | 146       | 166      | 27       | 5         |       |  |  |
| 70 / 69      |                                     | 3.4  | 6.4  | 1.6  | .9   | .3   |       |       |       |       |       |       |       |       |       |       |      | 114       | 114      | 326      | 67        |       |  |  |
| 67 / 67      |                                     | 2.9  | 1.7  | 1.4  | .2   |      |       |       |       |       |       |       |       |       |       |       |      | 56        | 56       | 236      | 221       |       |  |  |
| 66 / 65      |                                     | 1.9  | .7   | .7   |      |      |       |       |       |       |       |       |       |       |       |       |      | 29        | 29       | 131      | 311       |       |  |  |
| 64 / 63      |                                     | .3   | .1   | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 62       | 115       |       |  |  |
| 62 / 61      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 36       | 67        |       |  |  |
| 60 / 59      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 50        |       |  |  |
| 57 / 57      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 22        |       |  |  |
| 56 / 55      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 10        |       |  |  |
| 54 / 53      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 10        |       |  |  |
| TOTAL        |                                     | 11.6 | 29.7 | 35.8 | 16.0 | 4.1  | .9    |       |       |       |       |       |       |       |       |       |      | 900       | 900      | 900      | 900       |       |  |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5414271          | 69357 | 77.1 | 8.786          | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4769593          | 65461 | 72.7 | 3.043          | 900      |                                    |        | 06.6   | 52.8   |        |        | 900   |
| Wet Bulb    | 4144729          | 61033 | 67.8 | 2.542          | 900      |                                    |        | 66.5   | 2.4    |        |        | 900   |
| Dew Point   | 3817598          | 58544 | 65.0 | 3.229          | 900      |                                    |        | 31.3   |        |        |        | 900   |

ALL THE PREVIOUS EDITIONS OF THIS MANUAL ARE OBSOLETE

0265 (UL A)

USAFETAC

## PSYCHROMETRIC SUMMARY

|         |                 |
|---------|-----------------|
| 1000    | HICKMAN AF - 41 |
| STATION | STATION NAME    |

74-83

YEARS

NOV  
MONTH

PAGE 1 0300-4510  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 77           |                                     |      |      | .4   |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
| 77           |                                     |      | .1   | 1.3  | 2.3  | .4   |       |       |       |       |       |       |       |       |       |       |      | 28        | 25       |          |           |  |       |  |
| 75           |                                     |      | 1.1  | 1.8  | 3.9  | .3   |       |       |       |       |       |       |       |       |       |       |      | 158       | 158      |          |           |  |       |  |
| 73           |                                     | .9   | 7.2  | 1.1  | 1.7  | .4   | .8    |       |       |       |       |       |       |       |       |       |      | 229       | 220      | 16       |           |  |       |  |
| 71           |                                     | 3.0  | 12.2 | 3.6  | 2.7  | .8   | .3    |       |       |       |       |       |       |       |       |       |      | 201       | 201      | 62       | 13        |  |       |  |
| 69           |                                     | 4.7  | 7.3  | 2.1  | 1.0  |      |       |       |       |       |       |       |       |       |       |       |      | 136       | 136      | 267      | 72        |  |       |  |
| 67           |                                     | 5.2  | 2.2  | 1.8  | .7   |      |       |       |       |       |       |       |       |       |       |       |      | 39        | 60       | 274      | 194       |  |       |  |
| 65           |                                     | 3.7  | 1.7  | .8   |      |      |       |       |       |       |       |       |       |       |       |       |      | 49        | 42       | 143      | 311       |  |       |  |
| 63           | .2                                  | 1.1  | .2   | .3   |      |      |       |       |       |       |       |       |       |       |       |       |      | 17        | 17       | 77       | 159       |  |       |  |
| 61           |                                     | .4   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 54       | 53        |  |       |  |
| 59           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 13       | 50        |  |       |  |
| 57           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 28        |  |       |  |
| 55           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 13        |  |       |  |
| 53           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |       |  |
| 51           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |       |  |
| TOTAL        | .2                                  | 10.3 | 37.9 | 32.7 | 12.2 | 1.4  | 1.2   |       |       |       |       |       |       |       |       |       |      | 900       | 900      | 900      | 900       |  |       |  |

| Element (X) | ΣX <sup>2</sup> | ΣX    | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|-----------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5723556         | 71298 | 79.2 | 9.154          | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4635773         | 64525 | 71.7 | 3.283          | 900      |                                    |        | 87.0   | 40.4   | .1     |        | 4     |
| Wet Bulb    | 4004019         | 60577 | 67.3 | 2.733          | 900      |                                    |        | 51.3   | 1.0    |        |        | 2     |
| Dew Point   | 3791995         | 58339 | 64.8 | 3.401          | 900      |                                    |        | 28.2   |        |        |        | 6     |

## PSYCHROMETRIC SUMMARY

|         |                |
|---------|----------------|
| 1120    | PICKMAN AFB HI |
| STATION |                |

74-53

YEARS

NO.  
MONTH

PAGE 1

7670-4-1-2  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--------------------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2   | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 / 75      |                                     |       |      | .5   | 1.1 | 1.0  |       |       |       |       |       |       |       |       |       |       |    | 14                 | 24       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73 / 77      |                                     |       | .2   | 2.5  | 5.6 |      |       |       |       |       |       |       |       |       |       |       |    | 75                 | 75       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76 / 75      |                                     | .2    | 2.4  | 10.4 | 5.0 | .8   | .2    |       |       |       |       |       |       |       |       |       |    | 172                | 172      |           |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 / 73      |                                     | 1.2   | 6.3  | 11.7 | 2.3 | 1.4  | .6    | .1    |       |       |       |       |       |       |       |       |    | 213                | 213      | 12        |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71 / 71      |                                     | 2.7   | 8.7  | 5.6  | 1.8 | .1   | .4    |       |       |       |       |       |       |       |       |       |    | 155                | 155      | 131       |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70 / 69      |                                     | 4.3   | 2.1  | 1.4  | .9  | .1   |       |       |       |       |       |       |       |       |       |       |    | 124                | 124      | 304       |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 / 67      |                                     | 3.8   | 1.7  | 1.7  | .2  |      |       |       |       |       |       |       |       |       |       |       |    | 63                 | 63       | 210       |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 / 45      |                                     | 2.3   | .4   | .5   |     |      |       |       |       |       |       |       |       |       |       |       |    | 41                 | 41       | 147       |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67 / 63      |                                     | 1.7   | .1   | .3   |     |      |       |       |       |       |       |       |       |       |       |       |    | 14                 | 10       | 71        |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61 / 61      |                                     | .4    |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 4                  | 4        | 42        |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 59 / 59      |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |                    |          | 11        |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57 / 57      |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |                    |          | 4         |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55 / 55      |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 53 / 53      |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 51 / 51      |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 L         | 17.325                              | 233.0 | 16.9 | 3.4  | 1.2 | .1   |       |       |       |       |       |       |       |       |       |       |    | 900                | 900      | 900       |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|-------------|------------|-----------|-------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum.   | 5554961     | 72189      | 79.0      | 9.497 | 900      | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Dry Bulb    | 4726738     | 65144      | 72.4      | 3.572 | 900      |                                    |                         | 83.6                    | 48.4                    | .5                      |                         | 95    |
| Wet Bulb    | 4127521     | 60897      | 67.7      | 2.816 | 900      |                                    |                         | 62.7                    | 1.2                     |                         |                         | 72    |
| Dew Point   | 3815537     | 58519      | 65.0      | 3.428 | 900      |                                    |                         | 52.0                    |                         |                         |                         | 67    |



## PSYCHROMETRIC SUMMARY

YEARS

HOURS: 5-7

[illegible]

## PSYCHROMETRIC SUMMARY

10-10-68

74-52

424

STATION

STATION NAME

YEARS

MONTH

PAU

1275-44-5

HOURS: 5, 2.

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                |
|---------|----------------|
| STATION | STATION NAME   |
| 122     | WICKHAM AFB HI |

74-233

YEARS

12 MONTHS

PAGE: 1 1430-17  
HOURS: 5:17

[illegible]

## PSYCHROMETRIC SUMMARY

74-22

| STATION | STATION NAME |
|---------|--------------|
|---------|--------------|

YEARS

MON<sup>2</sup>H

DATE: 10-10-54  
HOURS: 5.30

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |        |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|--------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Po |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 75           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 71           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 69           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 63           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 61           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 59           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 55           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 53           |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TAL          |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10        | 10       |          |        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Z <sub>x</sub> <sup>1</sup> | Z <sub>x</sub> | X    | P <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|-----------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4522471                     | 63423          | 73.5 | 7.682          | 900      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 5174039                     | 68203          | 75.8 | 2.482          | 900      |                                    |        | 90.0   | 80.0   | 4.0    |        |       |
| Wet Bulb    | 4248929                     | 62167          | 69.1 | 2.305          | 900      |                                    |        | 76.9   | 3.6    |        |        |       |
| Dew Point   | 3363773                     | 56904          | 65.4 | 3.089          | 900      |                                    |        | 36.5   | .7     |        |        |       |

AD-A159 730

HICKAM AFB HAWAII REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 85  
USAFETAC/DS-85/014

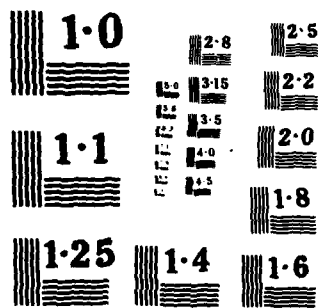
35

UNCLASSIFIED

F/G 4/2

NL

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| END   |
| DATE  |
| FILED |
| 12-85 |
| DTIC  |



## PSYCHROMETRIC SUMMARY

74-83

STATION

STATION NAME

YEARS

12  
MONTH

PAGE 1

2100-2300  
HOURS 11-5-7

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 72       |                                     | .1  |      | .3   | 1.4  | .3   |       |       |       |       |       |       |       |       |       |       |    | 20        | 20       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 73/ 77       |                                     |     | .3   | 1.3  | 1.0  | 1.7  | .2    |       |       |       |       |       |       |       |       |       |    | 131       | 131      | 1        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     |     | .6   | 1.4  | 3.1  | 2.9  | 1.4   | .1    | .1    |       |       |       |       |       |       |       |    | 265       | 265      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     | .7  | 6.0  | 14.0 | 3.0  | 2.3  | .1    | .2    |       |       |       |       |       |       |       |       |    | 245       | 245      | 9        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     | 1.4 | 6.1  | 2.2  | 1.4  | .8   | .7    |       |       |       |       |       |       |       |       |       |    | 136       | 136      | 128      | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     | 1.6 | 3.3  | 1.3  | 1.0  |      |       |       |       |       |       |       |       |       |       |       |    | 69        | 69       | 379      | 76        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 65/ 67       |                                     | .4  | 1.1  | 1.3  | .1   |      |       |       |       |       |       |       |       |       |       |       |    | 27        | 27       | 216      | 245       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | .2  | .2   |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 4         | 4        | 91       | 387       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 47/ 63       |                                     | .1  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 1         | 1        | 49       | 104       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 26       | 53        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 1        | 55        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 57/ 57       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 55       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | 4.6 | 24.0 | 36.6 | 27.9 | 5.9  | .8    | .3    |       |       |       |       |       |       |       |       |    | 900       | 900      | 900      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |    | 900       |          | 900      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $s^2$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 5030555      | 66885      | 74.3      | 8.162 | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4935498      | 66608      | 74.0      | 2.697 | 900      |                                    |        | 89.5   | 66.1   | .4     |        | 90    |
| Wet Bulb    | 4212128      | 61532      | 68.4      | 2.417 | 900      |                                    |        | 73.3   | 1.0    |        |        | 72    |
| Dew Point   | 3842703      | 56737      | 65.3      | 3.222 | 900      |                                    |        | 33.5   | .1     |        |        | 5     |

## PSYCHROMETRIC SUMMARY

11020 HICKAM AFB HI

74-63

N2 v

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

ALL

HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 93           |                                     |     |      |      |      |      |       |       | .3    |       |       |       |       |       |       |       |      | 3         | 3        |          |           |  |       |  |
| 92           |                                     |     |      |      |      |      | .2    | .6    | .4    | .0    |       |       |       |       |       |       |      | 91        | 81       |          |           |  |       |  |
| 90           |                                     |     |      |      |      | .4   | 1.2   | 2.4   | .1    |       |       |       |       |       |       |       |      | 298       | 298      |          |           |  |       |  |
| 88           |                                     |     |      |      | .3   | 1.7  | 3.5   | 1.2   | .1    | .0    |       |       |       |       |       |       |      | 496       | 496      |          |           |  |       |  |
| 86           |                                     |     | .0   | .1   | 1.2  | 3.5  | 2.5   | .7    | .1    |       |       |       |       |       |       |       |      | 582       | 582      |          |           |  |       |  |
| 84           |                                     | .0  | .2   | .7   | 3.3  | 4.7  | .9    | .4    | .0    |       |       |       |       |       |       |       |      | 745       | 745      | 1        |           |  |       |  |
| 82           |                                     | .0  | .4   | 2.6  | 7.4  | 1.4  | .7    | .1    |       |       |       |       |       |       |       |       |      | 903       | 903      | 3        | 2         |  |       |  |
| 80           |                                     | .1  | 2.0  | 8.4  | 5.5  | 1.4  | .3    | .0    |       |       |       |       |       |       |       |       |      | 1273      | 1273     | 98       | 6         |  |       |  |
| 78           |                                     | .7  | 4.2  | 7.8  | 1.8  | 1.1  | .3    | .0    |       |       |       |       |       |       |       |       |      | 1154      | 1154     | 678      | 19        |  |       |  |
| 76           |                                     | 1.5 | 5.6  | 1.8  | 1.2  | .3   | .2    |       |       |       |       |       |       |       |       |       |      | 771       | 771      | 1633     | 195       |  |       |  |
| 74           | .0                                  | 1.9 | 3.3  | .9   | .5   | .1   |       |       |       |       |       |       |       |       |       |       |      | 484       | 484      | 2276     | 804       |  |       |  |
| 72           |                                     | 1.5 | .3   | .8   | .2   |      |       |       |       |       |       |       |       |       |       |       |      | 237       | 237      | 1298     | 1832      |  |       |  |
| 70           |                                     | 1.1 | .3   | .3   |      |      |       |       |       |       |       |       |       |       |       |       |      | 123       | 123      | 706      | 2257      |  |       |  |
| 68           | .0                                  | .4  | .1   | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 42        | 42       | 306      | 961       |  |       |  |
| 66           |                                     | .1  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        | 170      | 483       |  |       |  |
| 64           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 29       | 324       |  |       |  |
| 62           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 175       |  |       |  |
| 60           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 74        |  |       |  |
| 58           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 44        |  |       |  |
| 56           |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 9         |  |       |  |
| TOTAL        | .0                                  | 7.5 | 17.0 | 23.5 | 21.3 | 14.6 | 9.7   | 5.5   | .9    | .1    |       |       |       |       |       |       |      | 7200      | 7200     | 7200     | 7200      |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 36705722     | 507148     | 70.4      | 11.689     | 7200     | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 41661181     | 547849     | 76.1      | 4.934      | 7200     |                                    |        | 702.7  | 553.5  | 181.5  |        | 720   |
| Wet Bulb    | 34511616     | 498046     | 69.2      | 2.893      | 7200     |                                    |        | 598.7  | 78.0   |        |        | 720   |
| Dew Point   | 30924225     | 471273     | 65.5      | 3.276      | 7200     |                                    |        | 285.8  | 2.7    |        |        | 720   |



LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AFB WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

11123 HICKAM AFB HI 74-83 DEC  
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 60/ 79       |                                     |      |      | .2   | .1  | .1   |       |       |       |       |       |       |       |       |       |       |      | 4         |          | 4        |           |       |       |  |  |
| 70/ 77       |                                     |      | 1.1  | 1.4  | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 25        |          | 25       |           |       |       |  |  |
| 76/ 75       |                                     | 1.1  | 1.7  | 3.2  | 1.6 | .6   |       |       |       |       |       |       |       |       |       |       |      | 73        |          | 73       | 5         |       |       |  |  |
| 74/ 73       |                                     | .5   | 4.2  | 3.7  | 4.1 | 2.7  |       |       |       |       |       |       |       |       |       |       |      | 188       |          | 188      | 28 13     |       |       |  |  |
| 72/ 71       |                                     | 2.9  | 10.9 | 4.3  | 3.3 | .7   | .2    |       |       |       |       |       |       |       |       |       |      | 209       |          | 209      | 39 20     |       |       |  |  |
| 70/ 69       |                                     | 5.5  | 8.2  | 3.2  | 2.3 | .6   |       |       |       |       |       |       |       |       |       |       |      | 186       |          | 186      | 142 57    |       |       |  |  |
| 68/ 67       |                                     | 4.7  | 5.3  | 1.5  | 1.1 | .2   |       |       |       |       |       |       |       |       |       |       |      | 119       |          | 119      | 258 143   |       |       |  |  |
| 66/ 65       |                                     | 4.2  | .5   | 1.1  | .4  |      |       |       |       |       |       |       |       |       |       |       |      | 58        |          | 58       | 190 216   |       |       |  |  |
| 64/ 63       |                                     | 1.7  | .9   | 1.3  |     |      |       |       |       |       |       |       |       |       |       |       |      | 36        |          | 36       | 133 163   |       |       |  |  |
| 62/ 61       |                                     | 1.9  | .6   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 24        |          | 24       | 65 106    |       |       |  |  |
| 60/ 59       |                                     | .3   | .2   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 5         |          | 5        | 46 104    |       |       |  |  |
| 58/ 57       |                                     | .3   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 3         |          | 3        | 16 48     |       |       |  |  |
| 56/ 55       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4 42      |       |       |  |  |
| 54/ 53       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 22        |       |       |  |  |
| 52/ 51       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |       |  |  |
| 50/ 49       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |       |  |  |
| TOTAL        | 27.2                                | 33.1 | 24.9 | 13.1 | 5.4 | .2   |       |       |       |       |       |       |       |       |       |       |      | 930       |          | 930      | 930       |       |       |  |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma^2$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             | Total       |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rel. Hum.   | 5927930      | 73664      | 79.2      | 10.011     | 930      | $\leq 0 F$                         | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ |
| Dry Bulb    | 4632465      | 65547      | 70.5      | 3.693      | 930      |                                    |             | 60.4        | 29.0        | .1          | 97          |
| Wet Bulb    | 4082253      | 61533      | 66.2      | 3.433      | 930      |                                    |             | 47.2        | 3.3         |             | 97          |
| Dew Point   | 3778503      | 59149      | 63.6      | 4.222      | 930      |                                    |             | 22.6        | 1.3         |             | 93          |

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 11720 HICKAM AFB HI STATION NAME 74-83 YEARS MONTH DEC

PAGE 1 7300-0500 HOURS (L, S, T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2   | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 77/ 79       |                                     |       |      |      | .3  |      |       |       |       |       |       |       |       |       |       |       |      | 3        | 7        |           |                    |       |  |  |
| 75/ 77       |                                     |       | .4   | 1.0  | .3  |      |       |       |       |       |       |       |       |       |       |       |      | 16       | 16       |           |                    |       |  |  |
| 73/ 75       |                                     | 1.1   | 1.3  | 1.3  | .9  | .1   |       |       |       |       |       |       |       |       |       |       |      | 42       | 42       | 3         |                    |       |  |  |
| 71/ 73       |                                     | 1.6   | 3.1  | 5.7  | 3.2 | 2.3  |       |       |       |       |       |       |       |       |       |       |      | 148      | 146      | 22        | 12                 |       |  |  |
| 69/ 71       |                                     | 3.2   | 10.2 | 5.3  | 2.8 | .7   |       |       |       |       |       |       |       |       |       |       |      | 203      | 203      | 44        | 24                 |       |  |  |
| 67/ 69       |                                     | 4.6   | 7.3  | 2.7  | 1.5 | 1.1  |       |       |       |       |       |       |       |       |       |       |      | 160      | 160      | 93        | 50                 |       |  |  |
| 65/ 67       | .2                                  | 7.3   | 2.9  | 2.5  | 1.1 | .4   |       |       |       |       |       |       |       |       |       |       |      | 174      | 134      | 227       | 101                |       |  |  |
| 63/ 65       | .2                                  | 8.2   | 1.0  | 1.8  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 105      | 105      | 202       | 217                |       |  |  |
| 61/ 63       | .3                                  | 4.3   | 1.1  | 1.0  |     |      |       |       |       |       |       |       |       |       |       |       |      | 62       | 60       | 160       | 167                |       |  |  |
| 59/ 61       | .2                                  | 2.4   | 1.0  | .2   |     |      |       |       |       |       |       |       |       |       |       |       |      | 35       | 35       | 83        | 130                |       |  |  |
| 57/ 59       |                                     | 1.1   | .3   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 13       | 13       | 61        | 86                 |       |  |  |
| 55/ 57       |                                     | .5    | .2   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 7        | 7        | 25        | 62                 |       |  |  |
| 53/ 55       |                                     | .1    | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 2        | 2        | 8         | 52                 |       |  |  |
| 51/ 53       |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          | 2         | 25                 |       |  |  |
| 49/ 51       |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 3                  |       |  |  |
| 47/ 49       |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 1                  |       |  |  |
| TOTAL        | 1.034                               | 4.428 | 9.21 | 4.10 | 1.4 | 4.2  |       |       |       |       |       |       |       |       |       |       |      |          | 930      |           | 930                |       |  |  |
|              |                                     |       |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 930      |          | 930       | 930                |       |  |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 6250870      | 75626      | 81.3      | 10.432     | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4483190      | 64460      | 69.3      | 4.065      | 930      |                                    |        | 70.6   | 20.9   |        |        | 91    |
| Wet Bulb    | 4001128      | 60906      | 65.5      | 3.650      | 930      |                                    |        | 38.9   | 2.5    |        |        | 91    |
| Dew Point   | 3732727      | 58783      | 63.2      | 4.303      | 930      |                                    |        | 18.7   | 1.2    |        |        | 91    |

USAFETAC FORM 026-5 (OL A) 01-101 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

650  
MONTH

2625-0850  
HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |
| 31/ 31       |                                     |      |      |      |      |      |       | .1    |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 31/ 79       |                                     |      |      | .1   | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 79/ 77       |                                     | .1   | .3   | 1.1  | .8   |      | .1    |       |       |       |       |       |       |       |       |       |      | 22        | 22       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     | 1.3  | 1.1  | 3.1  | 1.6  | .6   |       |       |       |       |       |       |       |       |       |       |      | 72        | 72       | 1        |           |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     | 1.8  | 1.9  | 6.9  | 3.5  | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 150       | 150      | 24       | 11        |  |  |  |  |  |  |  |       |  |       |  |
| 73/ 71       |                                     | 2.7  | 8.2  | 3.3  | 3.1  | 1.2  | .1    |       |       |       |       |       |       |       |       |       |      | 169       | 169      | 47       | 30        |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     | 6.0  | 7.3  | 2.9  | 1.6  | .6   |       |       |       |       |       |       |       |       |       |       |      | 172       | 172      | 110      | 40        |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 67       | .1                                  | 6.3  | 3.9  | 1.2  | 1.2  | .4   |       |       |       |       |       |       |       |       |       |       |      | 122       | 122      | 216      | 118       |  |  |  |  |  |  |  |       |  |       |  |
| 65/ 65       | .5                                  | 7.0  | 2.0  | 1.2  |      |      |       |       |       |       |       |       |       |       |       |       |      | 100       | 100      | 210      | 201       |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       | .2                                  | 4.6  | .8   | 1.1  |      |      |       |       |       |       |       |       |       |       |       |       |      | 62        | 62       | 142      | 168       |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | 2.3  | 1.2  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 32        | 32       | 93       | 133       |  |  |  |  |  |  |  |       |  |       |  |
| 59/ 59       |                                     | 1.3  | .3   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 15        | 15       | 56       | 98        |  |  |  |  |  |  |  |       |  |       |  |
| 55/ 57       |                                     | 1.0  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 18       | 62        |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 55       |                                     | .2   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 9        | 46        |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 16        |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        |                                     | .934 | .626 | .820 | .911 | .9   | .4    | .6    | .2    | .1    |       |       |       |       |       |       |      |           | 930      | 930      | 930       |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $s_x$  | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 6202570      | 75276      | 80.9      | 10.861 | 930      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Dry Bulb    | 4517919      | 64701      | 69.6      | 4.228  | 930      |                                    |        | 71.0   | 24.7   | .1     |        | 930   |
| Wet Bulb    | 4017887      | 61035      | 65.6      | 3.627  | 930      |                                    |        | 59.8   | 2.5    |        |        | 930   |
| Dew Point   | 3743713      | 56873      | 63.3      | 4.252  | 930      |                                    |        | 19.9   | 1.1    |        |        | 930   |

## PSYCHROMETRIC SUMMARY

OF C  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 55       |                                     |      |      |      |      | .7   | .2    | .6    |       |       |       |       |       |       |       |       |     | 10        | 1        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 55       |                                     |      |      |      | .1   | 1.1  | .5    | .4    |       |       |       |       |       |       |       |       |     | 22        | 22       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 57/ 81       |                                     |      | .1   | .2   | 2.5  | 3.2  | 2.0   | .3    |       |       |       |       |       |       |       |       |     | 74        | 74       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 57/ 79       |                                     |      | .9   | 2.5  | 5.8  | 7.1  | 2.6   | 1.0   | .2    |       |       |       |       |       |       |       |     | 136       | 185      |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 78/ 77       |                                     |      | 1.2  | 4.7  | 10.1 | 5.4  | 2.3   | .6    |       |       |       |       |       |       |       |       |     | 231       | 231      | 1        |           |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       | 1.0                                 | 2.2  | 5.2  | 5.1  | 3.7  | 1.6  | .2    |       |       |       |       |       |       |       |       |       |     | 185       | 165      | 17       | 4         |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       | 1.5                                 | 2.2  | 4.5  | 2.0  | 2.2  | .5   |       |       |       |       |       |       |       |       |       |       |     | 115       | 115      | 117      | 13        |  |  |  |  |  |  |  |       |  |       |  |
| 73/ 71       | .5                                  | 1.6  | 1.2  | 1.3  | 1.0  | .1   |       |       |       |       |       |       |       |       |       |       |     | 53        | 53       | 198      | 56        |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 69       | .6                                  | 2.5  | .4   | .5   | .4   |      |       |       |       |       |       |       |       |       |       |       |     | 38        | 38       | 243      | 119       |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 67       | .1                                  | .5   | .3   | .2   |      |      |       |       |       |       |       |       |       |       |       |       |     | 11        | 11       | 175      | 177       |  |  |  |  |  |  |  |       |  |       |  |
| 55/ 55       | .2                                  | .1   | .2   |      |      |      |       |       |       |       |       |       |       |       |       |       |     | 5         | 5        | 100      | 155       |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 52       | 147       |  |  |  |  |  |  |  |       |  |       |  |
| 57/ 51       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 18       | 64        |  |  |  |  |  |  |  |       |  |       |  |
| 57/ 59       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 6        | 72        |  |  |  |  |  |  |  |       |  |       |  |
| 57/ 57       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 38        |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 13        |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 13        |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 3.4                                 | 15.8 | 19.2 | 28.3 | 24.7 | 10.6 | 3.2   | .2    |       |       |       |       |       |       |       |       |     | 930       | 930      | 930      | 930       |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

PAGE 1 1570-1700

[illegible]

USAFETAC FORM 0265 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

1820  
STATION

HICKAM AFB HI

STATION NAME

74-35

YEARS

55  
MONTH

PAGE 1

1600-2000

HOURS 11.5. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 71       |                                     |      |      | .1   | 2.5  | .5   |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 77       |                                     |      | .4   | 1.1  | 3.7  | 5.7  | 1.2   | .2    |       |       |       |       |       |       |       |       |      | 29        | 29       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     | .3   | 3.7  | 9.9  | 9.5  | 5.5  | .1    | .1    |       |       |       |       |       |       |       |       |      | 270       | 270      | 7        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     | .9   | 4.0  | 10.6 | 5.9  | 3.5  | .8    |       |       |       |       |       |       |       |       |       |      | 245       | 245      | 36       | 13        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 71       |                                     | 1.0  | 3.8  | 3.2  | 4.2  | 1.4  | .3    |       |       |       |       |       |       |       |       |       |      | 126       | 126      | 126      | 26        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 77/ 59       |                                     | 1.5  | 2.3  | 2.6  | 1.9  | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 88        | 88       | 242      | 92        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     | .3   | 1.2  | .8   | .4   | .2   |       |       |       |       |       |       |       |       |       |       |      | 27        | 27       | 201      | 167       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 65       |                                     | .7   | .3   | .5   |      | .1   |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 165      | 180       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     |      | .1   | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 100      | 137       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 61       |                                     |      |      | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 38       | 114       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 59       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 17       | 102       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 57       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 5        | 44        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 55       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 28        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 53       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 14        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 67/ 51       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 45       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 5.5                                 | 16.4 | 51.6 | 31.2 | 13.3 | 1.4  | .1    |       |       |       |       |       |       |       |       |       |      |           | 927      | 927      | 927       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
|             |                  |       |      |                |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |
| Rel. Hum.   | 4882043          | 66707 | 72.0 | 9.399          | 927      |                                    |        |        |        |        |        |       |
| Dry Bulb    | 5057082          | 68416 | 73.8 | 2.889          | 927      |                                    |        | 91.6   | 66.4   | 1.2    |        | 53    |
| Wet Bulb    | 4249227          | 62693 | 67.6 | 3.169          | 927      |                                    |        | 60.6   | 3.5    |        |        | 23    |
| Dew Point   | 3823716          | 59400 | 64.1 | 4.348          | 927      |                                    |        | 29.9   | 1.3    |        |        | 4     |

USAFETAC  
FORM 0 26 5 (OL A)  
REV 44  
REVISED EDITIONS OF THIS MANUAL ELUITE

## PSYCHROMETRIC SUMMARY

YEARS

150

**HOURS 11:55-1:00**

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |
| 21           |                                     |      |      |      |      |      | .1    |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |       |  |  |
| 79           |                                     |      |      |      | .4   | .1   |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        |          |           |  |       |  |  |
| 77           |                                     | .2   | .3   | 1.5  | 1.6  |      |       |       |       |       |       |       |       |       |       |       |      | 34        | 34       |          |           |  |       |  |  |
| 75           |                                     | .5   | 2.7  | 6.0  | 5.2  | .9   |       |       |       |       |       |       |       |       |       |       |      | 142       | 142      | 3        |           |  |       |  |  |
| 73           |                                     | .2   | 5.1  | 9.5  | 5.4  | 2.9  |       |       |       |       |       |       |       |       |       |       |      | 230       | 230      | 21       | 12        |  |       |  |  |
| 71           |                                     | 2.9  | 11.4 | 4.1  | 3.7  | 1.0  | .3    |       |       |       |       |       |       |       |       |       |      | 226       | 226      | 81       | 25        |  |       |  |  |
| 69           |                                     | 2.8  | 7.9  | 3.8  | 3.8  | .4   |       |       |       |       |       |       |       |       |       |       |      | 173       | 173      | 195      | 70        |  |       |  |  |
| 67           | .1                                  | .4   | 2.5  | .5   | 1.7  | .3   |       |       |       |       |       |       |       |       |       |       |      | 45        | 45       | 249      | 160       |  |       |  |  |
| 65           |                                     | 1.2  | 1.5  | .4   | .5   |      |       |       |       |       |       |       |       |       |       |       |      | 78        | 15       | 164      | 183       |  |       |  |  |
| 63           |                                     | 1.4  | .6   | .4   |      |      |       |       |       |       |       |       |       |       |       |       |      | 23        | 23       | 115      | 165       |  |       |  |  |
| 61           |                                     | .2   | .4   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 74       | 111       |  |       |  |  |
| 59           |                                     |      | .2   | .1   |      |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 30       | 99        |  |       |  |  |
| 57           |                                     | .1   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 5        | 43        |  |       |  |  |
| 55           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 44        |  |       |  |  |
| 53           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 18        |  |       |  |  |
| 51           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |  |
| TOTAL        | .1                                  | 11.3 | 33.5 | 26.4 | 21.5 | 6.6  | .4    |       |       |       |       |       |       |       |       |       |      | 927       | 927      | 927      | 927       |  |       |  |  |

USAFETAC  
FORM  
JUL 64  
0 26 5 (OLA)  
REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

|         |               |
|---------|---------------|
| 11427   | HICKAM AFB HI |
| STATION | STATION NAME  |

74-23

YEARS

65 MONTH

2951

ALL  
HOURS (L.S. 9)

[illegible]

## PSYCHROMETRIC SUMMARY

74-33

STATION

STATION NAME

YEARS

MONTH

1940

سنة

HOURS . . . S. 1

| Element (X) | Z <sub>X'</sub> | Z <sub>X</sub> | X      | °s    | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total |
|-------------|-----------------|----------------|--------|-------|----------|------------------------------------|--------|--------|--------|--------|-------|
| Rel. Hum.   |                 |                |        |       |          | ≤ 0 F                              | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F |       |
| Dry Bulb    | 420991713       | 5933781        | 59.301 | 9.40  | 87638    |                                    |        | 6380.8 | 6723.2 | 237.4  | 570   |
| Wet Bulb    | 415490869       | 6027095        | 60.27  | 9.5   | 87638    |                                    |        | 6779.4 | 1042.8 | 0.2    | 870   |
| Dew Point   | 367801741       | 5668305        | 64.7   | 3.674 | 87638    |                                    |        | 2869.4 | 59.6   |        | 670   |

USAFETAC  
FORM  
JUL 64

FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEC F FROM HOURLY OBSERVATIONS

11920 HICKAM AFB HI

74-83

| STATION   |           | STATION NAME |       |       |       |       |       |       |       |       |       |       |       | YEARS  |  |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| HRS       | LSI       | JAN          | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |  |
| 1-22      | MEAN      | 69.3         | 68.9  | 70.0  | 71.3  | 72.8  | 74.4  | 75.3  | 76.2  | 76.1  | 75.3  | 72.7  | 70.8  | 72.8   |  |
|           | S D       | 4.045        | 3.929 | 2.986 | 2.397 | 2.210 | 1.672 | 1.517 | 1.818 | 1.730 | 2.393 | 3.043 | 3.693 | 3.754  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 920   | 930   | 930   | 900   | 930   | 900   | 930   | 10956  |  |
| 1-25      | MEAN      | 68.1         | 67.7  | 68.8  | 70.2  | 71.7  | 73.3  | 74.3  | 75.2  | 74.9  | 74.1  | 71.7  | 69.3  | 71.6   |  |
|           | S D       | 4.419        | 4.313 | 3.439 | 2.732 | 2.473 | 1.933 | 1.706 | 1.878 | 2.113 | 2.681 | 3.293 | 4.065 | 4.034  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 920   | 930   | 930   | 900   | 930   | 900   | 930   | 10956  |  |
| 1-28      | MEAN      | 68.2         | 67.9  | 69.4  | 71.4  | 73.4  | 75.0  | 75.6  | 76.3  | 76.0  | 75.1  | 72.4  | 69.6  | 71.6   |  |
|           | S D       | 4.545        | 4.419 | 3.670 | 3.134 | 3.066 | 2.697 | 2.443 | 2.466 | 2.835 | 3.279 | 3.572 | 4.208 | 4.560  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 920   | 930   | 930   | 900   | 930   | 900   | 930   | 10956  |  |
| 2-11      | MEAN      | 75.3         | 75.6  | 76.5  | 78.0  | 79.9  | 81.5  | 81.8  | 83.1  | 83.6  | 82.4  | 79.6  | 76.7  | 79.5   |  |
|           | S D       | 3.295        | 3.271 | 2.913 | 2.752 | 2.802 | 2.678 | 2.630 | 2.493 | 2.421 | 2.961 | 3.291 | 3.495 | 4.112  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 920   | 930   | 930   | 900   | 930   | 900   | 930   | 10956  |  |
| 1-14      | MEAN      | 78.3         | 78.6  | 79.3  | 80.6  | 82.5  | 84.3  | 84.9  | 86.2  | 86.3  | 84.9  | 82.2  | 79.6  | 82.3   |  |
|           | S D       | 2.930        | 3.142 | 2.872 | 2.606 | 2.574 | 2.423 | 2.100 | 2.237 | 2.349 | 2.848 | 3.315 | 3.502 | 3.969  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 920   | 930   | 930   | 900   | 930   | 900   | 929   | 10955  |  |
| 1-17      | MEAN      | 77.4         | 77.7  | 78.2  | 79.3  | 81.2  | 83.0  | 83.8  | 84.8  | 84.7  | 83.0  | 80.3  | 76.1  | 81.0   |  |
|           | S D       | 2.385        | 3.133 | 2.873 | 2.472 | 2.635 | 2.428 | 2.276 | 2.409 | 2.457 | 2.934 | 3.270 | 3.508 | 3.903  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 920   | 930   | 930   | 900   | 930   | 900   | 927   | 10953  |  |
| 1-27      | MEAN      | 73.5         | 73.6  | 73.8  | 74.6  | 76.3  | 78.0  | 78.6  | 79.5  | 79.4  | 78.1  | 75.8  | 73.6  | 76.3   |  |
|           | S D       | 2.892        | 2.859 | 2.584 | 2.408 | 2.366 | 2.114 | 2.190 | 2.111 | 1.850 | 2.100 | 2.442 | 2.889 | 2.314  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 927   | 10954  |  |
| 1-23      | MEAN      | 71.0         | 70.3  | 71.5  | 72.5  | 74.1  | 75.6  | 76.1  | 77.3  | 77.3  | 76.6  | 74.0  | 71.8  | 74.1   |  |
|           | S D       | 3.457        | 3.285 | 2.432 | 2.088 | 1.896 | 1.359 | 1.420 | 1.356 | 1.400 | 2.059 | 2.690 | 3.280 | 3.336  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 927   | 10954  |  |
| ALL HOURS | MEAN      | 72.7         | 72.6  | 73.4  | 74.7  | 76.5  | 78.1  | 78.8  | 79.8  | 79.8  | 78.7  | 75.1  | 73.7  | 76.3   |  |
|           | S D       | 5.272        | 5.454 | 4.899 | 4.505 | 4.668 | 4.539 | 4.412 | 4.525 | 4.707 | 4.727 | 4.934 | 5.211 | 5.514  |  |
|           | TOTAL OBS | 7440         | 6768  | 7440  | 7200  | 7440  | 7200  | 7440  | 7440  | 7200  | 7440  | 7200  | 743   | 87636  |  |

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

11127 HICKAM AFB HI

74-83

| STATION   |           | STATION NAME |  |  |  |  |  |  |  |  |  |  |  | YEARS |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|-----------|-----------|--------------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|
| HRS. LST  |           |              |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           |           | JAN          |  |  |  |  |  |  |  |  |  |  |  | FEB   |  |  |  |  |  |  |  |  |  |  |  | MAR   |  |  |  |  |  |  |  |  |  |  |  | APR   |  |  |  |  |  |  |  |  |  |  |  | MAY   |  |  |  |  |  |  |  |  |  |  |  | JUN   |  |  |  |  |  |  |  |  |  |  |  | JUL   |  |  |  |  |  |  |  |  |  |  |  | AUG   |  |  |  |  |  |  |  |  |  |  |  | SEP   |  |  |  |  |  |  |  |  |  |  |  | OCT   |  |  |  |  |  |  |  |  |  |  |  | NOV   |  |  |  |  |  |  |  |  |  |  |  | DEC   |  |  |  |  |  |  |  |  |  |  |  | ANNUAL |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
| 11-07     | MEAN      | 45.5         |  |  |  |  |  |  |  |  |  |  |  | 64.5  |  |  |  |  |  |  |  |  |  |  |  | 64.8  |  |  |  |  |  |  |  |  |  |  |  | 60.3  |  |  |  |  |  |  |  |  |  |  |  | 67.2  |  |  |  |  |  |  |  |  |  |  |  | 68.5  |  |  |  |  |  |  |  |  |  |  |  | 69.3  |  |  |  |  |  |  |  |  |  |  |  | 70.1  |  |  |  |  |  |  |  |  |  |  |  | 70.1  |  |  |  |  |  |  |  |  |  |  |  | 69.3  |  |  |  |  |  |  |  |  |  |  |  | 67.8  |  |  |  |  |  |  |  |  |  |  |  | 66.2  |  |  |  |  |  |  |  |  |  |  |  | 67.5   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 3.590        |  |  |  |  |  |  |  |  |  |  |  | 3.530 |  |  |  |  |  |  |  |  |  |  |  | 2.735 |  |  |  |  |  |  |  |  |  |  |  | 2.055 |  |  |  |  |  |  |  |  |  |  |  | 2.065 |  |  |  |  |  |  |  |  |  |  |  | 1.637 |  |  |  |  |  |  |  |  |  |  |  | 1.645 |  |  |  |  |  |  |  |  |  |  |  | 1.643 |  |  |  |  |  |  |  |  |  |  |  | 1.622 |  |  |  |  |  |  |  |  |  |  |  | 2.203 |  |  |  |  |  |  |  |  |  |  |  | 2.542 |  |  |  |  |  |  |  |  |  |  |  | 3.433 |  |  |  |  |  |  |  |  |  |  |  | 3.195  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 10950  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
| 11-05     | MEAN      | 44.9         |  |  |  |  |  |  |  |  |  |  |  | 63.9  |  |  |  |  |  |  |  |  |  |  |  | 64.2  |  |  |  |  |  |  |  |  |  |  |  | 65.4  |  |  |  |  |  |  |  |  |  |  |  | 66.7  |  |  |  |  |  |  |  |  |  |  |  | 68.0  |  |  |  |  |  |  |  |  |  |  |  | 68.9  |  |  |  |  |  |  |  |  |  |  |  | 69.6  |  |  |  |  |  |  |  |  |  |  |  | 69.5  |  |  |  |  |  |  |  |  |  |  |  | 68.7  |  |  |  |  |  |  |  |  |  |  |  | 67.3  |  |  |  |  |  |  |  |  |  |  |  | 65.5  |  |  |  |  |  |  |  |  |  |  |  | 66.9   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 3.820        |  |  |  |  |  |  |  |  |  |  |  | 3.703 |  |  |  |  |  |  |  |  |  |  |  | 2.912 |  |  |  |  |  |  |  |  |  |  |  | 2.166 |  |  |  |  |  |  |  |  |  |  |  | 2.116 |  |  |  |  |  |  |  |  |  |  |  | 1.854 |  |  |  |  |  |  |  |  |  |  |  | 1.649 |  |  |  |  |  |  |  |  |  |  |  | 1.611 |  |  |  |  |  |  |  |  |  |  |  | 1.788 |  |  |  |  |  |  |  |  |  |  |  | 2.272 |  |  |  |  |  |  |  |  |  |  |  | 2.733 |  |  |  |  |  |  |  |  |  |  |  | 3.650 |  |  |  |  |  |  |  |  |  |  |  | 3.375  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 10950  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
| 11-03     | MEAN      | 45.0         |  |  |  |  |  |  |  |  |  |  |  | 64.0  |  |  |  |  |  |  |  |  |  |  |  | 64.5  |  |  |  |  |  |  |  |  |  |  |  | 66.0  |  |  |  |  |  |  |  |  |  |  |  | 67.5  |  |  |  |  |  |  |  |  |  |  |  | 68.8  |  |  |  |  |  |  |  |  |  |  |  | 69.4  |  |  |  |  |  |  |  |  |  |  |  | 70.1  |  |  |  |  |  |  |  |  |  |  |  | 70.0  |  |  |  |  |  |  |  |  |  |  |  | 69.2  |  |  |  |  |  |  |  |  |  |  |  | 67.7  |  |  |  |  |  |  |  |  |  |  |  | 65.5  |  |  |  |  |  |  |  |  |  |  |  | 67.3   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 3.542        |  |  |  |  |  |  |  |  |  |  |  | 3.677 |  |  |  |  |  |  |  |  |  |  |  | 2.933 |  |  |  |  |  |  |  |  |  |  |  | 2.235 |  |  |  |  |  |  |  |  |  |  |  | 2.212 |  |  |  |  |  |  |  |  |  |  |  | 2.024 |  |  |  |  |  |  |  |  |  |  |  | 1.856 |  |  |  |  |  |  |  |  |  |  |  | 1.959 |  |  |  |  |  |  |  |  |  |  |  | 2.039 |  |  |  |  |  |  |  |  |  |  |  | 2.434 |  |  |  |  |  |  |  |  |  |  |  | 2.516 |  |  |  |  |  |  |  |  |  |  |  | 3.627 |  |  |  |  |  |  |  |  |  |  |  | 3.446  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 10950  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
| 11-11     | MEAN      | 63.5         |  |  |  |  |  |  |  |  |  |  |  | 67.7  |  |  |  |  |  |  |  |  |  |  |  | 67.7  |  |  |  |  |  |  |  |  |  |  |  | 68.6  |  |  |  |  |  |  |  |  |  |  |  | 69.9  |  |  |  |  |  |  |  |  |  |  |  | 71.1  |  |  |  |  |  |  |  |  |  |  |  | 71.6  |  |  |  |  |  |  |  |  |  |  |  | 72.5  |  |  |  |  |  |  |  |  |  |  |  | 72.7  |  |  |  |  |  |  |  |  |  |  |  | 72.3  |  |  |  |  |  |  |  |  |  |  |  | 70.8  |  |  |  |  |  |  |  |  |  |  |  | 69.2  |  |  |  |  |  |  |  |  |  |  |  | 70.2   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 3.063        |  |  |  |  |  |  |  |  |  |  |  | 2.763 |  |  |  |  |  |  |  |  |  |  |  | 2.411 |  |  |  |  |  |  |  |  |  |  |  | 1.999 |  |  |  |  |  |  |  |  |  |  |  | 1.999 |  |  |  |  |  |  |  |  |  |  |  | 1.841 |  |  |  |  |  |  |  |  |  |  |  | 1.786 |  |  |  |  |  |  |  |  |  |  |  | 1.738 |  |  |  |  |  |  |  |  |  |  |  | 1.632 |  |  |  |  |  |  |  |  |  |  |  | 1.944 |  |  |  |  |  |  |  |  |  |  |  | 2.243 |  |  |  |  |  |  |  |  |  |  |  | 3.099 |  |  |  |  |  |  |  |  |  |  |  | 2.854  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 10950  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
| 11-14     | MEAN      | 69.6         |  |  |  |  |  |  |  |  |  |  |  | 69.0  |  |  |  |  |  |  |  |  |  |  |  | 68.7  |  |  |  |  |  |  |  |  |  |  |  | 69.5  |  |  |  |  |  |  |  |  |  |  |  | 70.7  |  |  |  |  |  |  |  |  |  |  |  | 71.8  |  |  |  |  |  |  |  |  |  |  |  | 72.4  |  |  |  |  |  |  |  |  |  |  |  | 73.2  |  |  |  |  |  |  |  |  |  |  |  | 73.4  |  |  |  |  |  |  |  |  |  |  |  | 72.6  |  |  |  |  |  |  |  |  |  |  |  | 71.6  |  |  |  |  |  |  |  |  |  |  |  | 70.1  |  |  |  |  |  |  |  |  |  |  |  | 71.1   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 2.971        |  |  |  |  |  |  |  |  |  |  |  | 2.666 |  |  |  |  |  |  |  |  |  |  |  | 2.380 |  |  |  |  |  |  |  |  |  |  |  | 1.992 |  |  |  |  |  |  |  |  |  |  |  | 2.005 |  |  |  |  |  |  |  |  |  |  |  | 1.858 |  |  |  |  |  |  |  |  |  |  |  | 1.778 |  |  |  |  |  |  |  |  |  |  |  | 1.699 |  |  |  |  |  |  |  |  |  |  |  | 1.582 |  |  |  |  |  |  |  |  |  |  |  | 1.847 |  |  |  |  |  |  |  |  |  |  |  | 2.235 |  |  |  |  |  |  |  |  |  |  |  | 3.067 |  |  |  |  |  |  |  |  |  |  |  | 2.735  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 929   |  |  |  |  |  |  |  |  |  |  |  | 10955  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
| 11-17     | MEAN      | 69.2         |  |  |  |  |  |  |  |  |  |  |  | 68.5  |  |  |  |  |  |  |  |  |  |  |  | 68.2  |  |  |  |  |  |  |  |  |  |  |  | 68.9  |  |  |  |  |  |  |  |  |  |  |  | 70.2  |  |  |  |  |  |  |  |  |  |  |  | 71.3  |  |  |  |  |  |  |  |  |  |  |  | 71.9  |  |  |  |  |  |  |  |  |  |  |  | 72.7  |  |  |  |  |  |  |  |  |  |  |  | 72.7  |  |  |  |  |  |  |  |  |  |  |  | 71.9  |  |  |  |  |  |  |  |  |  |  |  | 70.8  |  |  |  |  |  |  |  |  |  |  |  | 69.4  |  |  |  |  |  |  |  |  |  |  |  | 70.5   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 2.949        |  |  |  |  |  |  |  |  |  |  |  | 2.699 |  |  |  |  |  |  |  |  |  |  |  | 2.339 |  |  |  |  |  |  |  |  |  |  |  | 2.040 |  |  |  |  |  |  |  |  |  |  |  | 1.913 |  |  |  |  |  |  |  |  |  |  |  | 1.789 |  |  |  |  |  |  |  |  |  |  |  | 1.767 |  |  |  |  |  |  |  |  |  |  |  | 1.714 |  |  |  |  |  |  |  |  |  |  |  | 1.570 |  |  |  |  |  |  |  |  |  |  |  | 1.913 |  |  |  |  |  |  |  |  |  |  |  | 2.160 |  |  |  |  |  |  |  |  |  |  |  | 3.076 |  |  |  |  |  |  |  |  |  |  |  | 2.716  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900    |  |  |  |  |  |  |  |  |  |  |  | 927  |  |  |  |  |  |  |  |  |  |  |  | 10953 |  |  |  |  |  |  |  |  |  |  |
| 11-27     | MEAN      | 67.5         |  |  |  |  |  |  |  |  |  |  |  | 66.6  |  |  |  |  |  |  |  |  |  |  |  | 66.4  |  |  |  |  |  |  |  |  |  |  |  | 67.1  |  |  |  |  |  |  |  |  |  |  |  | 68.4  |  |  |  |  |  |  |  |  |  |  |  | 69.6  |  |  |  |  |  |  |  |  |  |  |  | 70.3  |  |  |  |  |  |  |  |  |  |  |  | 71.1  |  |  |  |  |  |  |  |  |  |  |  | 71.1  |  |  |  |  |  |  |  |  |  |  |  | 70.3  |  |  |  |  |  |  |  |  |  |  |  | 69.1  |  |  |  |  |  |  |  |  |  |  |  | 67.6  |  |  |  |  |  |  |  |  |  |  |  | 68.8   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 3.248        |  |  |  |  |  |  |  |  |  |  |  | 2.912 |  |  |  |  |  |  |  |  |  |  |  | 2.484 |  |  |  |  |  |  |  |  |  |  |  | 2.040 |  |  |  |  |  |  |  |  |  |  |  | 2.023 |  |  |  |  |  |  |  |  |  |  |  | 1.639 |  |  |  |  |  |  |  |  |  |  |  | 1.696 |  |  |  |  |  |  |  |  |  |  |  | 1.672 |  |  |  |  |  |  |  |  |  |  |  | 1.551 |  |  |  |  |  |  |  |  |  |  |  | 1.981 |  |  |  |  |  |  |  |  |  |  |  | 2.305 |  |  |  |  |  |  |  |  |  |  |  | 3.169 |  |  |  |  |  |  |  |  |  |  |  | 2.816  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900    |  |  |  |  |  |  |  |  |  |  |  | 927  |  |  |  |  |  |  |  |  |  |  |  | 10953 |  |  |  |  |  |  |  |  |  |  |
| 11-23     | MEAN      | 66.4         |  |  |  |  |  |  |  |  |  |  |  | 65.5  |  |  |  |  |  |  |  |  |  |  |  | 65.6  |  |  |  |  |  |  |  |  |  |  |  | 66.5  |  |  |  |  |  |  |  |  |  |  |  | 67.7  |  |  |  |  |  |  |  |  |  |  |  | 68.9  |  |  |  |  |  |  |  |  |  |  |  | 69.6  |  |  |  |  |  |  |  |  |  |  |  | 70.5  |  |  |  |  |  |  |  |  |  |  |  | 70.5  |  |  |  |  |  |  |  |  |  |  |  | 69.8  |  |  |  |  |  |  |  |  |  |  |  | 68.4  |  |  |  |  |  |  |  |  |  |  |  | 66.8  |  |  |  |  |  |  |  |  |  |  |  | 68.0   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 3.567        |  |  |  |  |  |  |  |  |  |  |  | 3.123 |  |  |  |  |  |  |  |  |  |  |  | 2.542 |  |  |  |  |  |  |  |  |  |  |  | 1.994 |  |  |  |  |  |  |  |  |  |  |  | 1.954 |  |  |  |  |  |  |  |  |  |  |  | 1.513 |  |  |  |  |  |  |  |  |  |  |  | 1.599 |  |  |  |  |  |  |  |  |  |  |  | 1.635 |  |  |  |  |  |  |  |  |  |  |  | 1.547 |  |  |  |  |  |  |  |  |  |  |  | 2.098 |  |  |  |  |  |  |  |  |  |  |  | 2.417 |  |  |  |  |  |  |  |  |  |  |  | 3.260 |  |  |  |  |  |  |  |  |  |  |  | 2.959  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 930          |  |  |  |  |  |  |  |  |  |  |  | 846   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900   |  |  |  |  |  |  |  |  |  |  |  | 930   |  |  |  |  |  |  |  |  |  |  |  | 900    |  |  |  |  |  |  |  |  |  |  |  | 927  |  |  |  |  |  |  |  |  |  |  |  | 10953 |  |  |  |  |  |  |  |  |  |  |
| ALL HOURS | MEAN      | 67.1         |  |  |  |  |  |  |  |  |  |  |  | 66.2  |  |  |  |  |  |  |  |  |  |  |  | 66.3  |  |  |  |  |  |  |  |  |  |  |  | 67.2  |  |  |  |  |  |  |  |  |  |  |  | 68.5  |  |  |  |  |  |  |  |  |  |  |  | 69.7  |  |  |  |  |  |  |  |  |  |  |  | 70.4  |  |  |  |  |  |  |  |  |  |  |  | 71.2  |  |  |  |  |  |  |  |  |  |  |  | 71.2  |  |  |  |  |  |  |  |  |  |  |  | 70.5  |  |  |  |  |  |  |  |  |  |  |  | 69.2  |  |  |  |  |  |  |  |  |  |  |  | 67.5  |  |  |  |  |  |  |  |  |  |  |  | 68.8   |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | S D       | 3.846        |  |  |  |  |  |  |  |  |  |  |  | 3.683 |  |  |  |  |  |  |  |  |  |  |  | 3.080 |  |  |  |  |  |  |  |  |  |  |  | 2.518 |  |  |  |  |  |  |  |  |  |  |  | 2.492 |  |  |  |  |  |  |  |  |  |  |  | 2.227 |  |  |  |  |  |  |  |  |  |  |  | 2.145 |  |  |  |  |  |  |  |  |  |  |  | 2.178 |  |  |  |  |  |  |  |  |  |  |  | 2.172 |  |  |  |  |  |  |  |  |  |  |  | 2.511 |  |  |  |  |  |  |  |  |  |  |  | 2.693 |  |  |  |  |  |  |  |  |  |  |  | 3.716 |  |  |  |  |  |  |  |  |  |  |  | 3.354  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |
|           | TOTAL OBS | 7440         |  |  |  |  |  |  |  |  |  |  |  | 6768  |  |  |  |  |  |  |  |  |  |  |  | 7440  |  |  |  |  |  |  |  |  |  |  |  | 7200  |  |  |  |  |  |  |  |  |  |  |  | 7440  |  |  |  |  |  |  |  |  |  |  |  | 7200  |  |  |  |  |  |  |  |  |  |  |  | 7440  |  |  |  |  |  |  |  |  |  |  |  | 7440  |  |  |  |  |  |  |  |  |  |  |  | 7200  |  |  |  |  |  |  |  |  |  |  |  | 7440  |  |  |  |  |  |  |  |  |  |  |  | 7200  |  |  |  |  |  |  |  |  |  |  |  | 7440  |  |  |  |  |  |  |  |  |  |  |  | 7200   |  |  |  |  |  |  |  |  |  |  |  | 7430 |  |  |  |  |  |  |  |  |  |  |  | 87636 |  |  |  |  |  |  |  |  |  |  |

FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1952-53 HICKAM AFB HI

74-83

| STATION   |           | STATION NAME |       |       |       |       |       |       |       |       |       |       |       | YEARS  |  |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| HRS       | LSI       | JAN          | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |  |
| 1-02      | MEAN      | 63.0         | 61.9  | 61.6  | 62.8  | 63.9  | 65.2  | 66.0  | 66.6  | 66.9  | 66.1  | 65.0  | 63.6  | 64.4   |  |
|           | S.D.      | 4.249        | 4.100 | 3.467 | 2.735 | 2.841 | 2.450 | 2.549 | 2.545 | 2.372 | 3.035 | 3.229 | 4.200 | 3.667  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 930   | 10950  |  |
| 1-05      | MEAN      | 63.0         | 61.5  | 61.3  | 62.5  | 63.7  | 65.0  | 65.9  | 66.6  | 66.6  | 65.8  | 64.8  | 63.0  | 64.2   |  |
|           | S.D.      | 4.182        | 4.117 | 3.510 | 2.712 | 2.831 | 2.599 | 2.573 | 2.673 | 2.437 | 3.047 | 3.401 | 4.303 | 3.778  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 930   | 10950  |  |
| 1-08      | MEAN      | 63.0         | 61.6  | 61.5  | 62.8  | 64.1  | 65.4  | 66.1  | 66.8  | 66.9  | 66.1  | 65.0  | 63.3  | 64.4   |  |
|           | S.D.      | 4.180        | 4.077 | 3.531 | 2.741 | 2.793 | 2.739 | 2.649 | 2.735 | 2.529 | 3.025 | 3.426 | 4.252 | 3.767  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 930   | 10950  |  |
| 1-11      | MEAN      | 64.6         | 63.2  | 62.6  | 63.4  | 64.5  | 65.6  | 66.4  | 67.1  | 67.2  | 66.7  | 66.1  | 65.1  | 65.2   |  |
|           | S.D.      | 4.276        | 3.683 | 3.590 | 2.997 | 3.022 | 2.785 | 2.719 | 2.740 | 2.492 | 2.955 | 3.145 | 4.222 | 3.617  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 930   | 10950  |  |
| 1-14      | MEAN      | 64.3         | 63.5  | 62.7  | 63.3  | 64.4  | 65.4  | 66.0  | 66.9  | 67.0  | 66.4  | 66.1  | 64.8  | 65.1   |  |
|           | S.D.      | 4.409        | 4.086 | 3.693 | 3.151 | 3.339 | 2.899 | 2.786 | 2.880 | 2.592 | 3.097 | 3.327 | 4.494 | 3.722  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 929   | 10955  |  |
| 1-17      | MEAN      | 64.5         | 63.1  | 62.5  | 63.0  | 64.2  | 65.1  | 65.9  | 66.7  | 66.7  | 66.2  | 65.6  | 64.5  | 64.9   |  |
|           | S.D.      | 4.360        | 3.996 | 3.552 | 3.087 | 3.090 | 2.733 | 2.666 | 2.725 | 2.457 | 2.918 | 3.081 | 4.362 | 3.592  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 927   | 10953  |  |
| 1-20      | MEAN      | 63.9         | 62.5  | 62.0  | 62.7  | 64.0  | 65.1  | 65.9  | 66.7  | 66.8  | 66.2  | 65.4  | 64.1  | 64.6   |  |
|           | S.D.      | 4.347        | 3.933 | 3.432 | 2.670 | 2.860 | 2.382 | 2.501 | 2.497 | 2.303 | 2.973 | 3.089 | 4.345 | 3.566  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 927   | 10953  |  |
| 1-23      | MEAN      | 63.7         | 62.2  | 61.9  | 62.9  | 64.1  | 65.4  | 66.0  | 67.0  | 66.9  | 66.2  | 65.3  | 63.8  | 64.6   |  |
|           | S.D.      | 4.413        | 3.877 | 3.370 | 2.785 | 2.748 | 2.339 | 2.517 | 2.485 | 2.362 | 3.022 | 3.222 | 4.263 | 3.610  |  |
|           | TOTAL OBS | 930          | 846   | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900   | 927   | 10953  |  |
| ALL HOURS | MEAN      | 63.8         | 62.4  | 62.0  | 62.9  | 64.1  | 65.3  | 66.0  | 66.8  | 66.9  | 66.2  | 65.5  | 64.1  | 64.7   |  |
|           | S.D.      | 4.361        | 4.073 | 3.552 | 2.901 | 2.955 | 2.629 | 2.625 | 2.667 | 2.448 | 3.079 | 3.276 | 4.358 | 3.674  |  |
|           | TOTAL OBS | 7440         | 6768  | 7440  | 7200  | 7440  | 7200  | 7440  | 7440  | 7200  | 7440  | 7200  | 7430  | 87633  |  |

## RELATIVE HUMIDITY

MONIN

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |      |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------------------------------|-----------------------|------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  |                              |                       | 90%  |
| JAN    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 97.8 | 88.1 | 60.9 | 12.0                         | 81.5                  | 930  |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 90.2 | 69.9 | 25.1                         | 83.9                  | 930  |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 89.4 | 68.4 | 26.8                         | 83.8                  | 930  |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 100.0 | 96.1  | 81.0 | 50.9 | 16.8 | 1.3                          | 59.2                  | 930  |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.8  | 88.9  | 58.0 | 26.3 | 6.6  | 1.0                          | 63.7                  | 930  |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.9  | 92.9  | 63.2 | 27.0 | 7.2  | .5                           | 64.5                  | 930  |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.8  | 92.0 | 59.0 | 19.6 | 1.5                          | 72.3                  | 930  |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 97.2 | 79.6 | 43.4 | 4.4                          | 77.8                  | 930  |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 100.0 | 97.2  | 85.6 | 63.8 | 36.6 | 7.2                          | 74.7                  | 7440 |

FORM  
111-A4

0-87-5 (OL A)

## RELATIVE HUMIDITY

\_\_\_\_\_  
MONTH

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                       |
| FEB    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 97.6 | 80.7 | 46.9 | 3.2  | 78.3                         | 646                   |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 96.3 | 83.0 | 55.9 | 12.5 | 80.7                         | 646                   |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 97.5 | 81.7 | 59.1 | 12.2 | 80.6                         | 646                   |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 99.9  | 95.2  | 67.3 | 32.5 | 9.0  | .4   | 65.6                         | 646                   |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.5  | 84.2  | 40.5 | 19.4 | 4.4  |      | 60.0                         | 646                   |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.6  | 88.3  | 46.0 | 19.0 | 5.4  | .1   | 61.4                         | 646                   |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 98.9  | 83.7 | 40.0 | 9.7  | .1   | 66.4                         | 646                   |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.9 | 68.0 | 24.3 | 2.0  | 74.3                         | 646                   |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.9  | 95.8  | 78.3 | 52.8 | 27.2 | 3.8  | 71.3                         | 6756                  |

USAFETAC      FORM 0-87-5 (OL A)  
JUL 64

## RELATIVE HUMIDITY

422  
MONTH

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |     |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------------------------------|-----------------------|-----|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70   | 80   |                              |                       | 90  |
| MAR    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 63.7 | 23.3 | 1.2                          | 74.7                  | 92  |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 96.1 | 71.9 | 40.0 | 6.0                          | 77.3                  | 97  |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 95.6 | 68.1 | 36.3 | 7.7                          | 76.3                  | 93  |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 99.7  | 91.2  | 56.9 | 19.4 | 4.9  | .3                           | 62.6                  | 97  |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.6  | 73.4  | 30.1 | 6.9  | 1.5  | .1                           | 57.0                  | 93  |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.8  | 81.4  | 36.3 | 9.9  | 2.6  |                              | 56.0                  | 97  |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.1  | 78.7 | 32.6 | 5.3  | .2                           | 66.0                  | 97  |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.3 | 53.1 | 14.2 | .3                           | 71.0                  | 93  |
|        |                |  |       |       |       |       |      |      |      |                              |                       |     |
|        |                |  |       |       |       |       |      |      |      |                              |                       |     |
|        |                |  |       |       |       |       |      |      |      |                              |                       |     |
|        |                |  |       |       |       |       |      |      |      |                              |                       |     |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.9  | 93.1  | 73.5 | 40.9 | 16.7 | 2.1                          | 66.2                  | 744 |



## RELATIVE HUMIDITY

STATION NAME

PERIOD

ADP  
MONTH

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |     |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------------------------------|------------------------|-----|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  |                              |                        | 90% |
| APR    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 97.6 | 67.4 | 27.1 | 1.3                          | 74.7                   | 920 |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.8 | 74.4 | 34.6 | 4.7                          | 76.8                   | 970 |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 95.3 | 64.6 | 26.9 | 3.9                          | 74.5                   | 970 |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 99.9  | 90.1  | 47.6 | 14.7 | 2.6  | .1                           | 61.1                   | 970 |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.6  | 71.6  | 24.4 | 5.9  | 1.3  |                              | 56.1                   | 900 |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.7  | 80.0  | 29.6 | 8.4  | 2.4  |                              | 55.0                   | 970 |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.4  | 85.1 | 30.4 | 5.8  | .2                           | 66.7                   | 900 |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.8 | 54.6 | 15.4 | .2                           | 72.0                   | 900 |
| TOTALS | 100.0          | 100.0  | 100.0 | 99.9  | 92.6  | 71.2  | 40.1 | 14.5 | 1.4  | 67.5                         | 7200                   |     |

## RELATIVE HUMIDITY

2 Y  
MONTH

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90% |                              |                       |
| MAY    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 97.7 | 68.1 | 20.8 | .9  | 73.0                         | 97                    |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 75.7 | 34.3 | 2.7 | 76.2                         | 930                   |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 92.9 | 53.0 | 22.6 | 1.7 | 72.9                         | 930                   |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 100.0 | 86.3  | 37.7 | 11.3 | 2.5  | .4  | 59.6                         | 930                   |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.1  | 62.3  | 19.9 | 5.6  | 1.5  | .4  | 54.0                         | 930                   |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.9  | 75.8  | 24.8 | 6.9  | 1.6  | .5  | 56.7                         | 930                   |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.4  | 74.4 | 26.7 | 4.2  | .2  | 65.7                         | 930                   |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.4 | 53.1 | 10.3 | .0  | 71.0                         | 930                   |
|        |                |  |       |       |       |       |      |      |      |     |                              |                       |
|        |                |  |       |       |       |       |      |      |      |     |                              |                       |
|        |                |  |       |       |       |       |      |      |      |     |                              |                       |
|        |                |  |       |       |       |       |      |      |      |     |                              |                       |
|        |                |  |       |       |       |       |      |      |      |     |                              |                       |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.9  | 90.5  | 67.6 | 38.1 | 12.3 | .9  | 66.3                         | 7440                  |

0-87-5 (OL A)

## RELATIVE HUMIDITY

MONTH

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |      |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------------------------------|-----------------------|------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  |                              |                       | 90%  |
| JUN    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 96.3 | 68.6 | 14.8 | 1.2                          | 72.9                  | 900  |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 97.9 | 80.8 | 24.4 | 2.0                          | 75.3                  | 900  |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.7  | 91.9 | 61.0 | 18.7 | 1.4                          | 72.4                  | 900  |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 99.9  | 88.2  | 33.7 | 7.8  | 2.3  | .4                           | 58.9                  | 900  |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.7  | 60.1  | 11.6 | 3.1  | .9   | .3                           | 53.3                  | 900  |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.8  | 74.1  | 14.2 | 3.6  | 1.0  | .1                           | 55.0                  | 900  |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.1  | 72.1 | 19.1 | 2.2  | .3                           | 64.7                  | 900  |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.7 | 51.9 | 7.8  | .6                           | 70.0                  | 900  |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
|        |                |  |       |       |       |       |      |      |      |                              |                       |      |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.9  | 90.2  | 64.2 | 37.0 | 9.0  | .8                           | 65.4                  | 7200 |

## RELATIVE HUMIDITY


 NATIONAL BUREAU OF STANDARDS

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |      |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------------------------------|------------------------|------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  |                              |                        | 90%  |
| JUL    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 68.2 | 16.5 | 1.3                          | 73.1                   | 930  |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.8 | 77.7 | 25.7 | 1.8                          | 78.1                   | 930  |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 91.9 | 62.4 | 20.3 | 1.5                          | 72.0                   | 930  |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 100.0 | 90.3  | 37.0 | 10.3 | 2.4  | .2                           | 59.9                   | 930  |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.6  | 65.3  | 11.4 | 1.7  | .2   |                              | 53.4                   | 930  |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.9  | 75.9  | 15.5 | 2.7  | .2   |                              | 55.0                   | 930  |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.0  | 71.6 | 24.1 | 3.1  |                              | 65.0                   | 930  |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 93.7 | 54.7 | 10.5 | .1                           | 71.1                   | 930  |
|        |                |  |       |       |       |       |      |      |      |                              |                        |      |
|        |                |  |       |       |       |       |      |      |      |                              |                        |      |
|        |                |  |       |       |       |       |      |      |      |                              |                        |      |
|        |                |  |       |       |       |       |      |      |      |                              |                        |      |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.9  | 91.3  | 54.0 | 37.7 | 9.9  | .5                           | 65.7                   | 7440 |

0-87-5 (OL A)

## RELATIVE HUMIDITY

45 MONTH

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70   | 80%  | 90  |                              |                       |
| AUG    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 93.5 | 68.0 | 14.1 | 1.1 | 72.0                         | 93                    |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 95.7 | 73.4 | 24.1 | 1.7 | 74.0                         | 93                    |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 92.2 | 61.6 | 18.9 | 1.4 | 72.0                         | 93                    |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 99.9  | 38.4  | 32.7 | 3.7  | 2.4  | .1  | 55.9                         | 93                    |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 98.2  | 60.3  | 11.2 | 3.2  | .8   |     | 52.7                         | 93                    |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.1  | 74.6  | 16.0 | 3.2  | 1.3  | .1  | 55.0                         | 93                    |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 98.7  | 70.6 | 23.2 | 2.4  | .2  | 55.1                         | 93                    |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 92.0 | 54.2 | 6.9  | .5  | 70.0                         | 93                    |
|        |                |  |       |       |       |       |      |      |      |     |                              |                       |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.7  | 92.2  | 63.0 | 37.0 | 8.6  | .7  | 65.3                         | 744                   |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

011920 STATION HICKAM AFB HI 74-83 PERIOD SEP MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90% |                              |                        |
| SEP    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 94.4 | 72.1 | 16.6 | .2  | 73.2                         | 900                    |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 96.3 | 31.9 | 26.7 | .7  | 75.6                         | 900                    |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 94.6 | 65.4 | 22.3 | .2  | 73.6                         | 900                    |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 100.0 | 87.3  | 28.7 | 5.0  | 1.1  |     | 58.1                         | 900                    |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 98.1  | 60.8  | 10.2 | 2.0  | .8   |     | 52.4                         | 900                    |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.6  | 75.4  | 14.1 | 3.3  | 1.4  |     | 55.2                         | 900                    |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.6  | 76.0 | 20.4 | 2.9  | .1  | 65.0                         | 900                    |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 90.6 | 52.6 | 6.3  | .2  | 70.3                         | 900                    |
|        |                |  |       |       |       |       |      |      |      |     |                              |                        |
|        |                |  |       |       |       |       |      |      |      |     |                              |                        |
|        |                |  |       |       |       |       |      |      |      |     |                              |                        |
|        |                |  |       |       |       |       |      |      |      |     |                              |                        |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.7  | 90.4  | 63.1 | 38.2 | 10.1 | .2  | 65.6                         | 7200                   |

## RELATIVE HUMIDITY

PERIOD

SON.

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70   | 80   | 90  |                              |                         |
| JULY   | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 97.9 | 65.3 | 12.7 | 1.2 | 73.1                         | 72                      |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 99.9  | 99.9  | 95.4 | 73.7 | 21.2 | 1.2 | 75.4                         | 72                      |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.8  | 93.5 | 63.7 | 26.1 | 1.7 | 73.1                         | 97                      |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 99.9  | 85.7  | 34.5 | 12.8 | 3.5  | 1.2 | 59.4                         | 97                      |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 98.0  | 64.6  | 16.7 | 5.2  | 2.3  | .5  | 54.4                         | 97                      |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.7  | 81.3  | 24.4 | 5.6  | 2.9  | .3  | 57.3                         | 97                      |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.2  | 82.6 | 25.3 | 7.1  | 1.1 | 66.3                         | 97                      |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 90.2 | 49.1 | 11.8 | 1.2 | 70.4                         | 27                      |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.7  | 91.3  | 66.2 | 37.7 | 13.1 | 1.3 | 66.3                         | 744                     |

GLOBAL CLIMATOLOGY BRANCH  
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## RELATIVE HUMIDITY

11120 STATION HICKAM AFB HI STATION NAME 74-55 PERIOD MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|-----|------------------------------|------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80   | 90  |                              |                        |
| NOV    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 99.8 | 98.6 | 82.3 | 37.5 | 5.0 | 77.1                         | 970                    |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 99.4 | 97.8 | 84.3 | 48.1 | 7.3 | 79.2                         | 970                    |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 79.0 | 41.4 | 8.8 | 78.0                         | 970                    |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 100.0 | 95.6 | 87.6 | 20.6 | 6.2  | 1.9 | 67.8                         | 970                    |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.7  | 82.8 | 33.3 | 11.4 | 4.4  | 1.1 | 58.3                         | 970                    |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 100.0 | 91.8 | 44.6 | 16.2 | 4.6  | .9  | 61.0                         | 970                    |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9 | 92.8 | 48.2 | 12.3 | 1.0 | 70.0                         | 970                    |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 99.4 | 96.0 | 71.3 | 25.4 | 1.9 | 74.3                         | 970                    |
|        |                |  |       |       |       |      |      |      |      |     |                              |                        |
|        |                |  |       |       |       |      |      |      |      |     |                              |                        |
|        |                |  |       |       |       |      |      |      |      |     |                              |                        |
|        |                |  |       |       |       |      |      |      |      |     |                              |                        |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 100.0 | 96.0 | 77.0 | 51.5 | 22.5 | 7.7 | 70.4                         | 7200                   |



## RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                       |
| DEC    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 96.2 | 75.1 | 51.1 | 31.2 | 78.1                         | 931                   |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 96.9 | 82.4 | 57.8 | 32.4 | 61.3                         | 931                   |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 95.7 | 81.2 | 55.7 | 39.1 | 50.9                         | 931                   |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 99.9  | 96.0  | 73.3 | 38.4 | 13.7 | 1.7  | 57.5                         | 931                   |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 99.1  | 85.7  | 46.0 | 18.3 | 6.5  | 1.5  | 61.8                         | 929                   |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 99.7  | 90.6  | 56.2 | 24.1 | 7.0  | 2.0  | 63.7                         | 927                   |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 100.0 | 99.5  | 88.3 | 56.6 | 19.6 | 2.8  | 72.0                         | 927                   |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.0 | 69.8 | 40.2 | 5.4  | 76.3                         | 927                   |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.6  | 96.5  | 91.0 | 56.1 | 31.4 | 7.9  | 72.9                         | 7430                  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

11820 STATION HICKAM AFB HI 74-53 PERIOD ALL MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|-----|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90% |                              |                       |
| JAN    | ALL            | 100.0  | 100.0 | 100.0 | 100.0 | 97.2 | 95.8 | 63.2 | 36.6 | 2.2 | 74.7                         | 7440                  |
| FEB    |                | 100.0  | 100.0 | 100.0 | 99.9  | 95.8 | 78.3 | 52.8 | 27.2 | 3.8 | 71.3                         | 6760                  |
| MAR    |                | 100.0  | 100.0 | 100.0 | 99.9  | 93.1 | 73.5 | 40.9 | 16.7 | 2.1 | 69.2                         | 7440                  |
| APR    |                | 100.0  | 100.0 | 100.0 | 99.9  | 92.6 | 71.2 | 40.1 | 14.5 | 1.4 | 67.5                         | 7200                  |
| MAY    |                | 100.0  | 100.0 | 100.0 | 99.9  | 93.5 | 67.6 | 39.1 | 12.3 | .2  | 66.3                         | 7440                  |
| JUN    |                | 100.0  | 100.0 | 100.0 | 99.9  | 90.2 | 64.2 | 37.7 | 9.0  | .8  | 65.4                         | 7200                  |
| JUL    |                | 100.0  | 100.0 | 100.0 | 99.9  | 91.3 | 64.0 | 37.7 | 9.9  | .6  | 65.7                         | 7440                  |
| AUG    |                | 100.0  | 100.0 | 100.0 | 99.7  | 90.2 | 63.0 | 37.0 | 8.8  | .7  | 65.3                         | 7440                  |
| SEP    |                | 100.0  | 100.0 | 100.0 | 99.7  | 90.4 | 63.1 | 38.2 | 10.1 | .2  | 65.6                         | 7200                  |
| OCT    |                | 100.0  | 100.0 | 100.0 | 99.7  | 91.3 | 66.2 | 37.7 | 13.1 | 1.3 | 66.3                         | 7440                  |
| NOV    |                | 100.0  | 100.0 | 100.0 | 100.0 | 96.0 | 77.0 | 51.5 | 22.5 | 3.7 | 70.4                         | 7200                  |
| DEC    |                | 100.0  | 100.0 | 100.0 | 99.8  | 96.5 | 81.0 | 56.1 | 31.4 | 7.9 | 72.9                         | 7430                  |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 99.9  | 92.9 | 71.2 | 44.2 | 17.7 | 2.7 | 68.3                         | 87638                 |

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

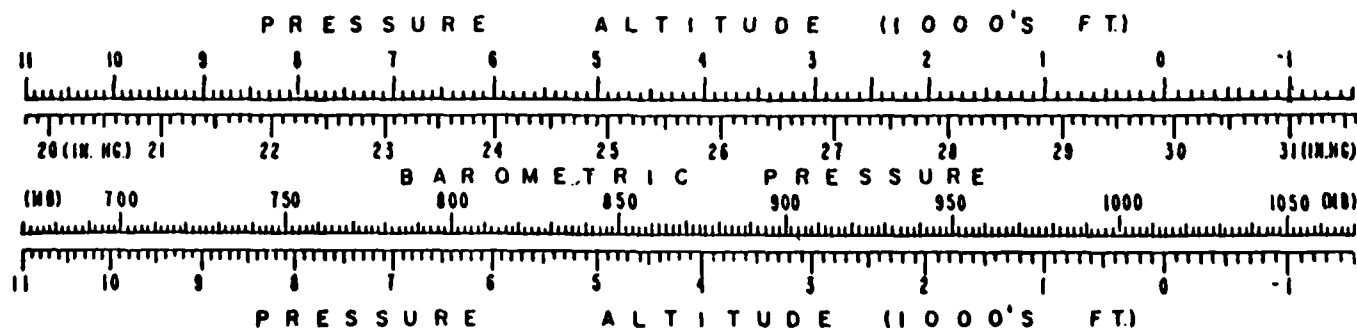
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HMAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

111920 HICKAM AFB HI

74-33

| STATION   | STATION NAME | YEARS    |        |        |        |        |        |        |        |        |        |        |        |        |
|-----------|--------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS (LST) | JAN          | FEB      | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANNUAL |        |
| MEAN      | 29.95029     | .98330   | .02530 | .02930 | .02430 | .01129 | .99929 | .98129 | .96329 | .95929 | .97729 | .98129 | 29.991 |        |
| S D       | .089         | .102     | .077   | .064   | .050   | .042   | .046   | .043   | .036   | .053   | .070   | .084   | .071   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |        |
| MEAN      | 29.93229     | .95130   | .03330 | .01030 | .00929 | .99829 | .98629 | .96529 | .94629 | .95129 | .95929 | .96229 | 29.974 |        |
| S D       | .090         | .102     | .079   | .065   | .050   | .042   | .047   | .044   | .036   | .053   | .068   | .078   | .071   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |        |
| MEAN      | 29.97030     | .00130   | .04630 | .05130 | .04630 | .03430 | .02029 | .99929 | .98029 | .98929 | .99529 | .99929 | 30.011 |        |
| S D       | .090         | .102     | .079   | .064   | .049   | .043   | .047   | .044   | .039   | .054   | .068   | .088   | .070   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |        |
| MEAN      | 29.98530     | .01630   | .05630 | .05730 | .04730 | .03330 | .02030 | .00229 | .98429 | .99329 | .99930 | .007   | 30.017 |        |
| S D       | .087         | .101     | .078   | .064   | .049   | .043   | .046   | .043   | .037   | .053   | .066   | .084   | .070   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |        |
| MEAN      | 29.91429     | .95330   | .00430 | .01330 | .01330 | .00629 | .99329 | .96729 | .93729 | .93629 | .93529 | .939   | 29.968 |        |
| S D       | .086         | .100     | .076   | .063   | .046   | .043   | .045   | .043   | .037   | .052   | .065   | .080   | .070   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 309    | 3652   |        |
| MEAN      | 29.91429     | .94129   | .98529 | .99129 | .98929 | .98129 | .97029 | .94529 | .92329 | .93229 | .93529 | .940   | 29.954 |        |
| S D       | .087         | .099     | .076   | .063   | .049   | .041   | .046   | .044   | .036   | .053   | .066   | .080   | .070   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 309    | 3652   |        |
| MEAN      | 29.96029     | .98730   | .03030 | .03530 | .02930 | .01830 | .00329 | .98329 | .96729 | .98129 | .98529 | .988   | 29.997 |        |
| S D       | .088         | .099     | .076   | .063   | .048   | .041   | .046   | .042   | .036   | .052   | .068   | .083   | .069   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 309    | 3652   |        |
| MEAN      | 29.97330     | .00630   | .05530 | .06230 | .05730 | .04330 | .02630 | .00829 | .98929 | .99629 | .99929 | .001   | 30.018 |        |
| S D       | .088         | .101     | .076   | .064   | .048   | .042   | .046   | .042   | .036   | .052   | .069   | .083   | .071   |        |
| TOTAL OBS | 310          | 282      | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 309    | 3652   |        |
| ALL HOURS | MEAN         | 29.95029 | .98130 | .02630 | .03130 | .02730 | .01530 | .00229 | .98129 | .96129 | .96929 | .97329 | .977   | 29.991 |
|           | S D          | .092     | .104   | .081   | .068   | .053   | .046   | .050   | .047   | .044   | .058   | .072   | .086   | .074   |
|           | TOTAL OBS    | 2480     | 2256   | 2480   | 2400   | 2480   | 2400   | 2480   | 2480   | 2400   | 2480   | 2476   | 29212  |        |

USAF ETAC FORM 0-89-5 (OL A)  
OCT 78

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

11020 HICKAM AFB HI

74-83

| STATION   |           | STATION NAME |         |         |         |         |         |         |         |         |         |         |        | YEARS  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|-----------|-----------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--|-----|--|-----|--|-----|--|-----|--|-----|--|--------|--|--|
| HRS LST   |           | JAN          |         | FEB     |         | MAR     |         | APR     |         | MAY     |         | JUN     |        | JUL    |  | AUG |  | SEP |  | OCT |  | NOV |  | DEC |  | ANNUAL |  |  |
| 10        | MEAN      | 1014.71      | 1015.61 | 1017.31 | 1017.41 | 1017.21 | 1016.81 | 1016.41 | 1015.81 | 1015.21 | 1015.41 | 1015.61 | 1015.7 | 1016.1 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 3.305        | 3.451   | 2.590   | 2.179   | 1.691   | 1.410   | 1.567   | 1.446   | 1.276   | 1.774   | 2.374   | 2.800  | 2.346  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 310    | 3652   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| 11        | MEAN      | 1014.21      | 1015.21 | 1016.61 | 1016.81 | 1016.81 | 1016.51 | 1016.01 | 1015.31 | 1014.71 | 1014.91 | 1015.11 | 1015.2 | 1015.6 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 3.035        | 3.469   | 2.661   | 2.190   | 1.694   | 1.410   | 1.599   | 1.478   | 1.292   | 1.801   | 2.326   | 2.879  | 2.409  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 310    | 3652   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| 12        | MEAN      | 1015.41      | 1016.51 | 1018.31 | 1018.11 | 1018.31 | 1017.61 | 1017.11 | 1016.41 | 1015.71 | 1016.11 | 1016.31 | 1016.4 | 1016.8 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 3.060        | 3.442   | 2.684   | 2.174   | 1.660   | 1.436   | 1.576   | 1.474   | 1.317   | 1.815   | 2.291   | 2.892  | 2.470  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 310    | 3652   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| 13        | MEAN      | 1016.01      | 1017.31 | 1018.51 | 1018.41 | 1018.11 | 1017.61 | 1017.21 | 1016.61 | 1016.21 | 1016.31 | 1016.51 | 1016.7 | 1017.1 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 2.959        | 3.417   | 2.644   | 2.169   | 1.675   | 1.446   | 1.548   | 1.447   | 1.271   | 1.795   | 2.246   | 2.849  | 2.379  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 310    | 3652   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| 14        | MEAN      | 1013.51      | 1014.81 | 1016.51 | 1016.91 | 1016.91 | 1016.61 | 1016.21 | 1015.31 | 1014.31 | 1014.31 | 1014.21 | 1014.4 | 1015.3 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 2.917        | 3.390   | 2.558   | 2.117   | 1.621   | 1.440   | 1.547   | 1.447   | 1.246   | 1.773   | 2.211   | 2.904  | 2.481  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 309    | 3651   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| 15        | MEAN      | 1013.61      | 1014.51 | 1016.31 | 1016.21 | 1016.11 | 1015.91 | 1015.51 | 1014.61 | 1013.91 | 1014.21 | 1014.31 | 1014.5 | 1014.9 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 2.952        | 3.351   | 2.568   | 2.140   | 1.630   | 1.386   | 1.594   | 1.453   | 1.294   | 1.795   | 2.233   | 2.810  | 2.346  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 309    | 3651   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| 16        | MEAN      | 1015.11      | 1016.01 | 1017.41 | 1017.61 | 1017.41 | 1017.01 | 1016.51 | 1015.81 | 1015.31 | 1015.21 | 1015.91 | 1016.0 | 1016.3 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 2.986        | 3.359   | 2.559   | 2.141   | 1.613   | 1.380   | 1.537   | 1.420   | 1.275   | 1.764   | 2.314   | 2.793  | 2.341  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 309    | 3651   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| 17        | MEAN      | 1015.61      | 1016.81 | 1018.41 | 1018.61 | 1018.41 | 1018.01 | 1017.51 | 1016.81 | 1016.11 | 1016.41 | 1016.51 | 1016.5 | 1017.1 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 2.975        | 3.412   | 2.559   | 2.151   | 1.638   | 1.404   | 1.542   | 1.413   | 1.280   | 1.790   | 2.338   | 2.820  | 2.410  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 310          | 282     | 310     | 300     | 310     | 300     | 310     | 310     | 300     | 310     | 300     | 309    | 3651   |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
| ALL HOURS | MEAN      | 1014.71      | 1015.81 | 1017.31 | 1017.51 | 1017.41 | 1017.01 | 1016.51 | 1015.81 | 1015.11 | 1015.41 | 1015.51 | 1015.7 | 1016.2 |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | S D       | 3.104        | 3.513   | 2.734   | 2.300   | 1.800   | 1.555   | 1.685   | 1.598   | 1.487   | 1.965   | 2.443   | 2.958  | 2.518  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |
|           | TOTAL OBS | 2480         | 2256    | 2480    | 2400    | 2480    | 2400    | 2480    | 2480    | 2480    | 2400    | 2480    | 2400   | 29215  |  |     |  |     |  |     |  |     |  |     |  |        |  |  |

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-8